TECHNICAL DATA

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DEPARTMENT OF THE ARMY TECHNICAL MANUAL

TECHNICAL DATA

DEPOT MAINTENANCE MANUAL
SIGNAL GENERATOR
AN/URM-52 AND AN/URM-52A

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HEADQUARTERS, DEPARTMENT OF THE ARMY
OCTOBER 1960

Technical Manual)
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No. 11-6625-214-50)

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HEADQUARTERS,
DEPARTMENT OF THE ARMY
Washington 25, D. C., 14 October 1960

DEPOT MAINTENANCE MANUAL

SIGNAL GENERATOR AN/URM-52 AND AN/URM-52A

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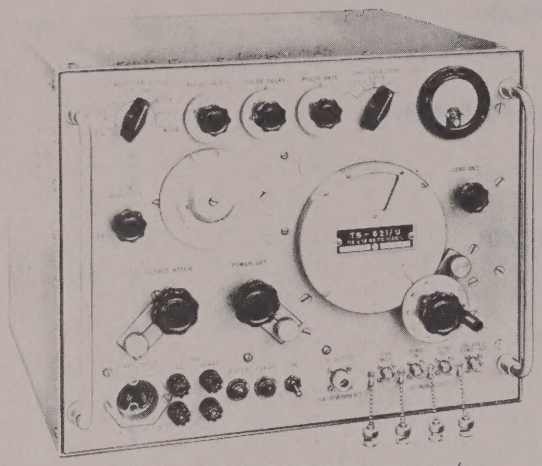
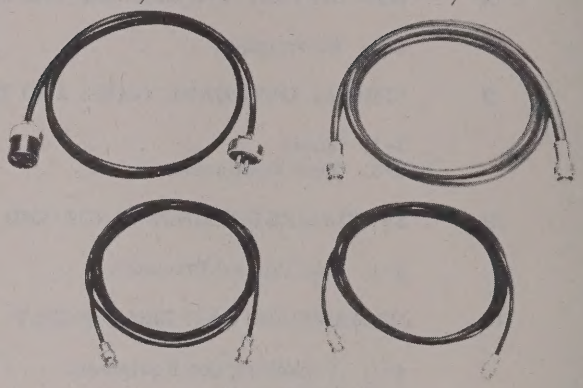


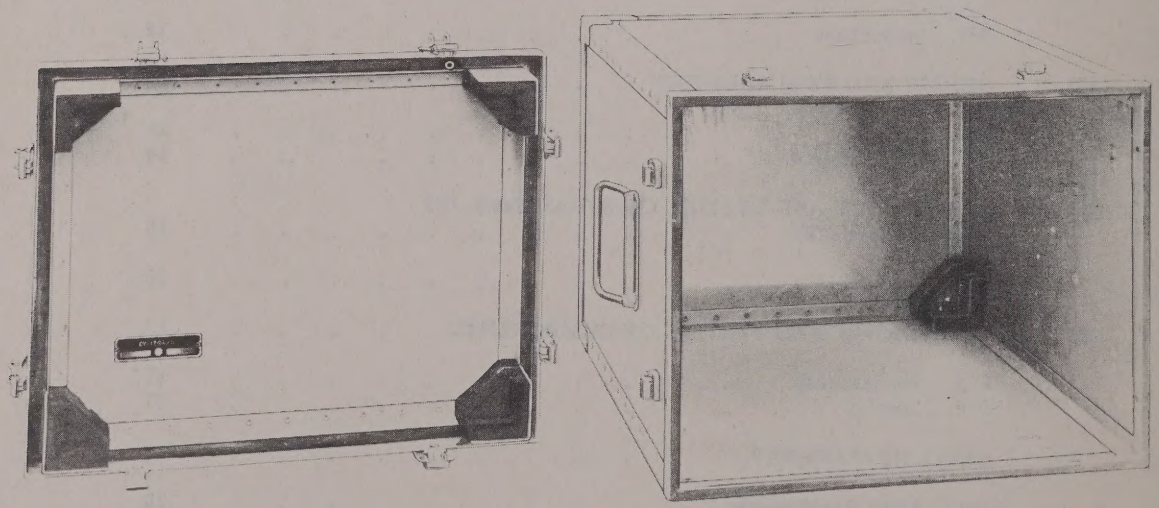
SIGNAL GENERATOR TS-621/U

POWER CABLE
CX-337/U(6'0")

RF CABLE
CG-92D/U(6'0")

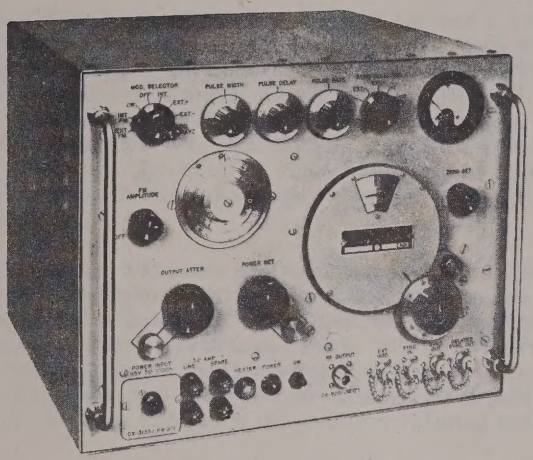


VIDEO CORDS CG-409/U(8'0")



TRANSIT CASE CY-1294/U

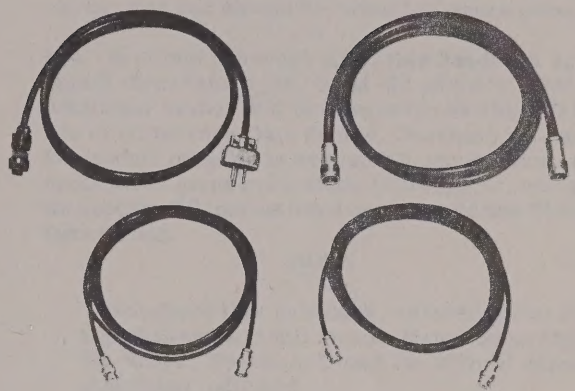
Figure 1-1. Signal Generator AN/URM-52, Equipment Supplied



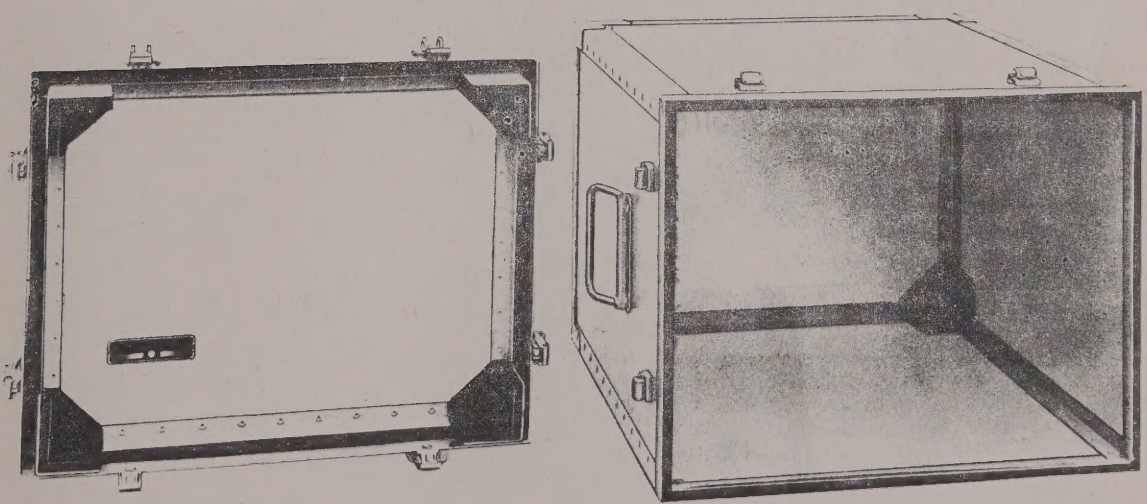
SIGNAL GENERATOR TS-621A/U
OR TS-621B/U

POWER CABLE
CX-3135/U(6'-0")

RF CABLE
CG-92D/U(6'-0")

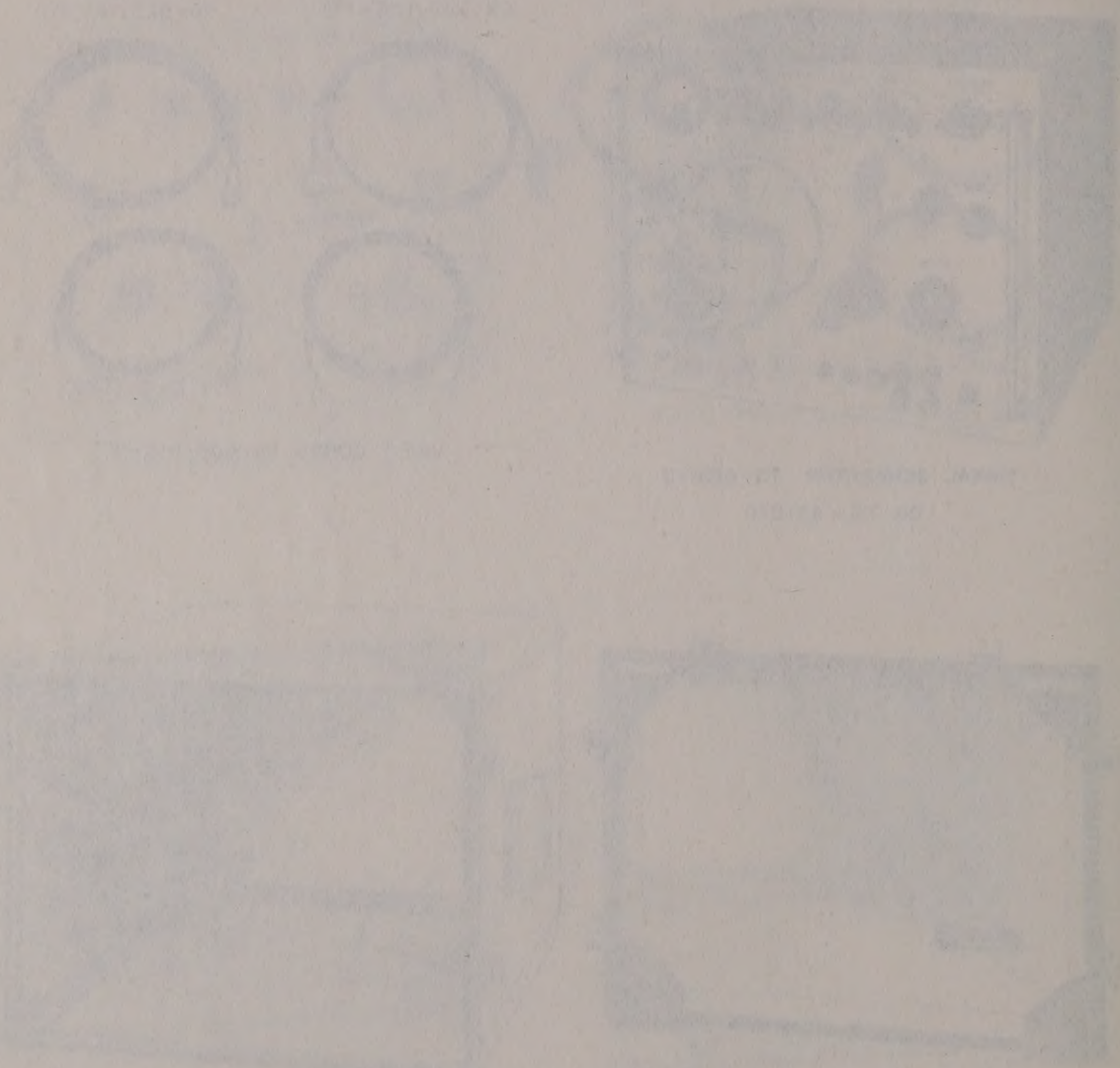


VIDEO CORDS CG-409/U(8'-0")



TRANSIT CASE CY-2109/URM-52A

Figure 1-1A. Signal Generator AN/URM-52A, Equipment Supplied



SECTION I

DESCRIPTION AND LEADING PARTICULARS

1-1. DESCRIPTION.

1-2. IDENTIFICATION. (See figures 1-1 and 1-1A.) This publication contains overhaul instructions for Signal Generators AN/URM-52 and AN/URM-52A. The main component of Signal Generator AN/URM-52 is Signal Generator TS-621/U. The main component of Signal Generator AN/URM-52A is Signal Generator TS-621A/U or TS-621B/U. The equipment is manufactured by Hewlett-Packard Company, Palo Alto, California.

1-3. SCOPE. Additional publications pertaining to this equipment include the Handbook of Operating Instructions, the Handbook of Service Instructions, and the Illustrated Parts Breakdown. These will be referred to, respectively, as the Operating Handbook, the Service Handbook, and the Parts Breakdown. This publication contains only such information relating to the overhaul of the equipment which is not contained in the other publications or which it is deemed necessary to repeat. The other publications are referred to throughout the text and should be consulted where necessary.

1-4. Sections I through XI of this handbook apply to Signal Generators AN/URM-52 and AN/URM-52A. Additional models will be covered in Section XII by the use of Difference Data Sheets. Overhaul instructions for models included in Section XII are the same as the procedures given in Sections I through XI, except for the specific differences noted by the applicable Difference Data Sheets.

NOTE

Throughout this handbook, references to the Signal Generator will include Signal Generators TS-621/U, TS-621A/U and TS-621B/U unless otherwise indicated.

SECTION II

SPECIAL OVERHAUL TOOLS AND TEST EQUIPMENT

2-1. TOOLS.

2-2. The special tools which are illustrated in figure 2-1 are supplied with the equipment and are carried and stowed within the instrument as shown. Shown in the illustration are one special hexagonal socket wrench and four Allen wrenches. The socket wrench is used to remove the hex nut at the entrance to the resonator cavity when removing the klystron, V-114. The longest Allen wrenches will be found helpful in removing cap screws holding klystron socket housing to resonator.

2-3. TEST EQUIPMENT.

2-4. No special test equipment has been procured for overhaul. However, the conventional test equipment, which is listed in Section II of the Service Handbook, will be needed to make certain tests and adjustments as specified.

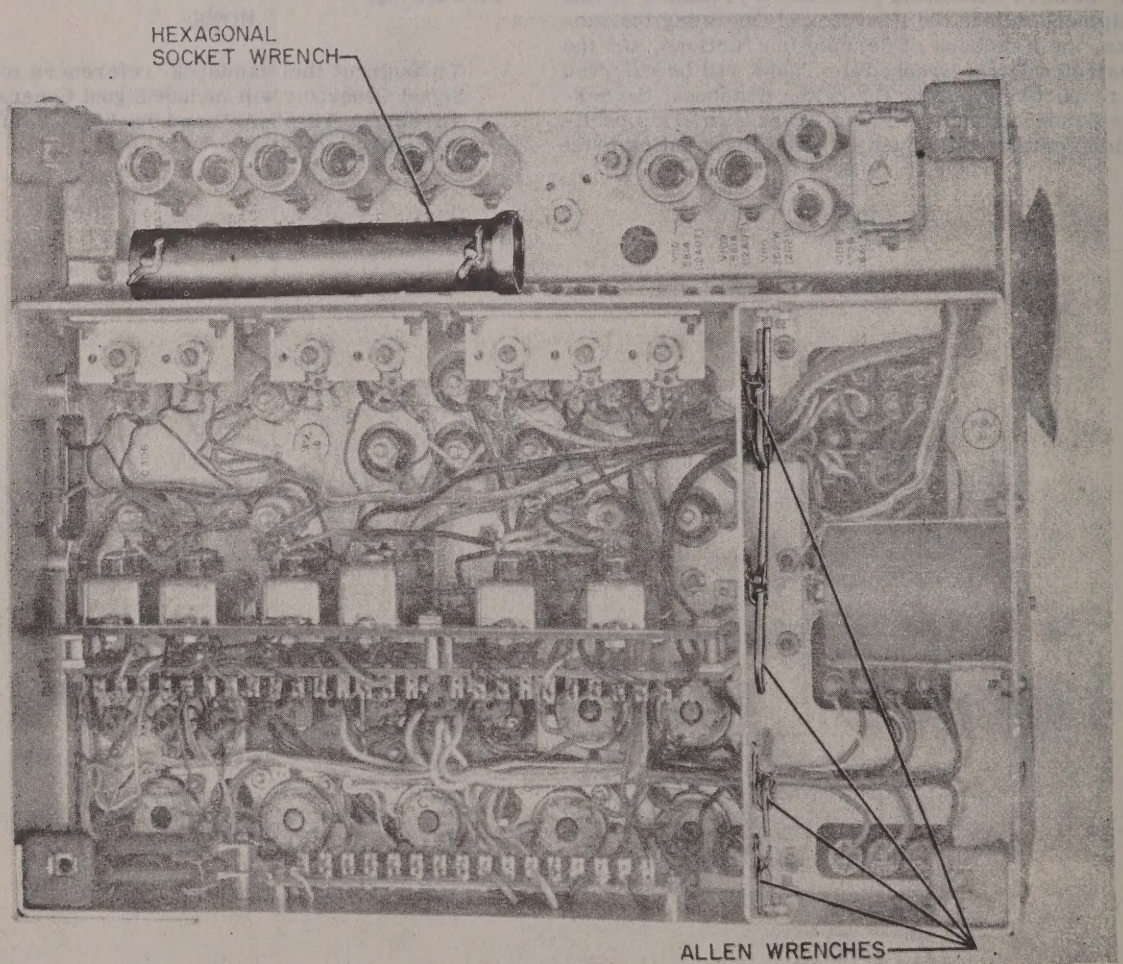


Figure 2-1. Location of Special Tools

SECTION III

SPECIALIZED MAINTENANCE AND REPAIR

3-1. SPECIALIZED PROCEDURES.

3-2. Maintenance and repair instructions which are contained in the remaining sections of this publication include all those procedures which are necessary or practical for this equipment. Procedures necessary to determine specific circuit failures are given in the Servide Handbook and no further instructions are required. Repair of detail mechanical parts should not be attempted except under emergency conditions. Procedures for replacement of mechanical and electro-mechanical elements are covered in Sections IV through XI.

SECTION IV

DISMANTLING AND DISASSEMBLY

4-1. UNPACKING THE EQUIPMENT.

4-2. The lid of the signal generator's transit case is held in place by means of eight trunk latches. After removing the lid, place the transit case on the floor or low table to facilitate removal of the instrument, which rests freely on rubber mounts on the bottom of the transit case. The accessory cables and cords are stored on the bottom of the transit case under the signal generator. Check to see that all items shown in figures 1-1 and 1-1A are present.

4-3. DISMANTLING.

4-4. The chassis is secured to the front panel, and both chassis and panel are held in the cabinet by four captive screws at the back of the cabinet. The equipment is removed from its cabinet as follows:

a. Place instrument face down on the floor or low table so that it rests on the guard-rail handles.

b. Unscrew the four knurled captive screws on back of the cabinet (now facing up) until the threads are free of the instrument. The screws will not come out of the cabinet.

c. Grasp the cabinet and lift up from instrument.

4-5. DISASSEMBLY.

4-6. GENERAL. The mechanical drive systems in the signal generators are designated to last far beyond the life of the electrical part of the instrument and should never be tampered with unless some sort of mechanical breakdown occurs. Procedures are given in this section and in section VIII for disassembly and reassembly respectively, of mechanical items, but it should be borne in mind that these are included only for reference should the replacement of any part become necessary. Mechanical readjustment should be attempted only as a last resort. These procedures should be carried out only by qualified personnel at overhaul bases. It should be noted that the mechanical system is complex and that a certain amount of mechanical ingenuity is necessary in order to repair the system. The complete disassembly procedure is included in this section, although it is intended that only the applicable part of the procedure should be followed when making a repair or replacement.

4-7. DISASSEMBLY OF FREQUENCY CONTROL ASSEMBLY. (See figures 4-3 and 4-3A.) If it is found necessary, the frequency control assembly can be disassembled in accordance with the following procedure:

a. Remove klystron, attenuator, and power monitoring probe assembly as described in Section VI of the Handbook of Service Instructions.

b. Disconnect wires on terminal board (figure 4-2) on underside of front panel assembly.

c. Disconnect cavity ventilating pipe connector nut and pipe from cavity.

d. Remove the four type BNC connectors from the front panel (3).

e. Remove the eight screws (1) which hold the front panel (3) to the main frame (4) and remove the five coupling shafts (5). The front panel assembly is now free to be removed from the main frame.

f. Turn SIGNAL FREQUENCY control (6) to the low frequency end of its range and remove SIGNAL FREQUENCY control (6), MEGACYCLES dial cover (8) and MEGACYCLES dial and hub (9).

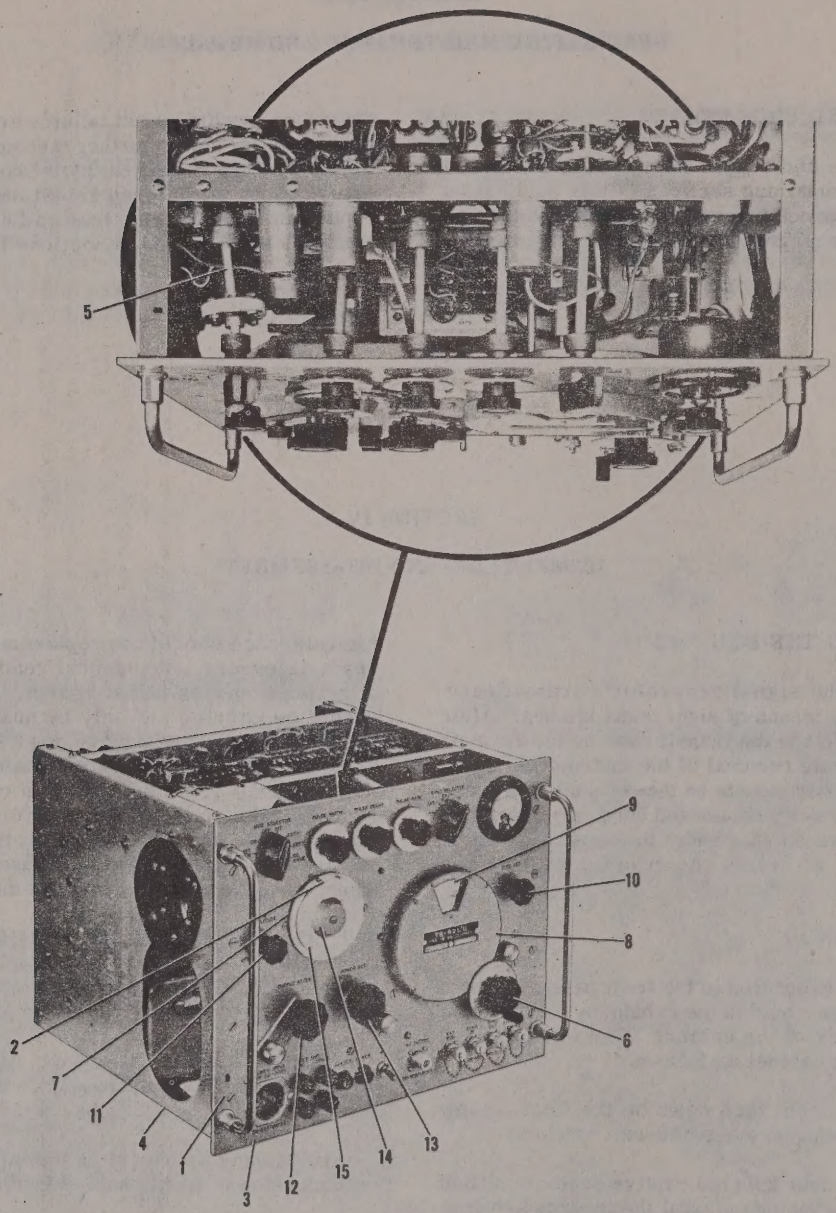


Figure 4-1. Instrument Panel Assembly

1. Panel mounting screw
2. Attenuator dial index window
3. Panel assembly
4. Main frame
5. Coupling shaft
6. SIGNAL FREQUENCY control knob
7. POWER SET dial
8. MEGACYCLES dial cover
9. MEGACYCLES dial
10. ZERO SET control knob
11. FM AMPLITUDE control knob
12. OUTPUT ATTEN. control knob
13. POWER SET control knob
14. OUTPUT ATTEN. dial cover
15. OUTPUT ATTEN. dial

g. Loosen the mounting screws on the front panel which hold the bracket below the resonator.

h. Remove the two mounting screws holding the bracket below the resonator to the resonator and frequency drive casting.

i. Remove the ZERO SET and FM AMPLITUDE control knobs (10 and 11) and potentiometers from the front panel. Disconnect the two leads soldered to the meter.

j. There are numbered lugs connected to the terminal board on the bracket below the resonator (figures 4-2 and 4-2A). Unscrew lugs 5, 6, 7, 8, and 9 from terminal board and pull through hole in bracket.

k. Remove OUTPUT ATTEN. and POWER SET control knobs (12 and 13, figures 4-1 and 4-1A), OUTPUT ATTEN. dial cover (14), OUTPUT ATTEN. dial (15), POWER SET dial (7), and attenuator dial index window (2). Loosen gear box mounting screws in front panel.

l. Detach rack guide (4, figure 4-5) from guide clamp (2) on waveguide housing. Remove attenuator gear box from front panel.

m. Remove the six mounting screws holding frequency control casting (77, figures 4-3 and 4-3A) to front panel.

n. Remove frequency control assembly including resonator.

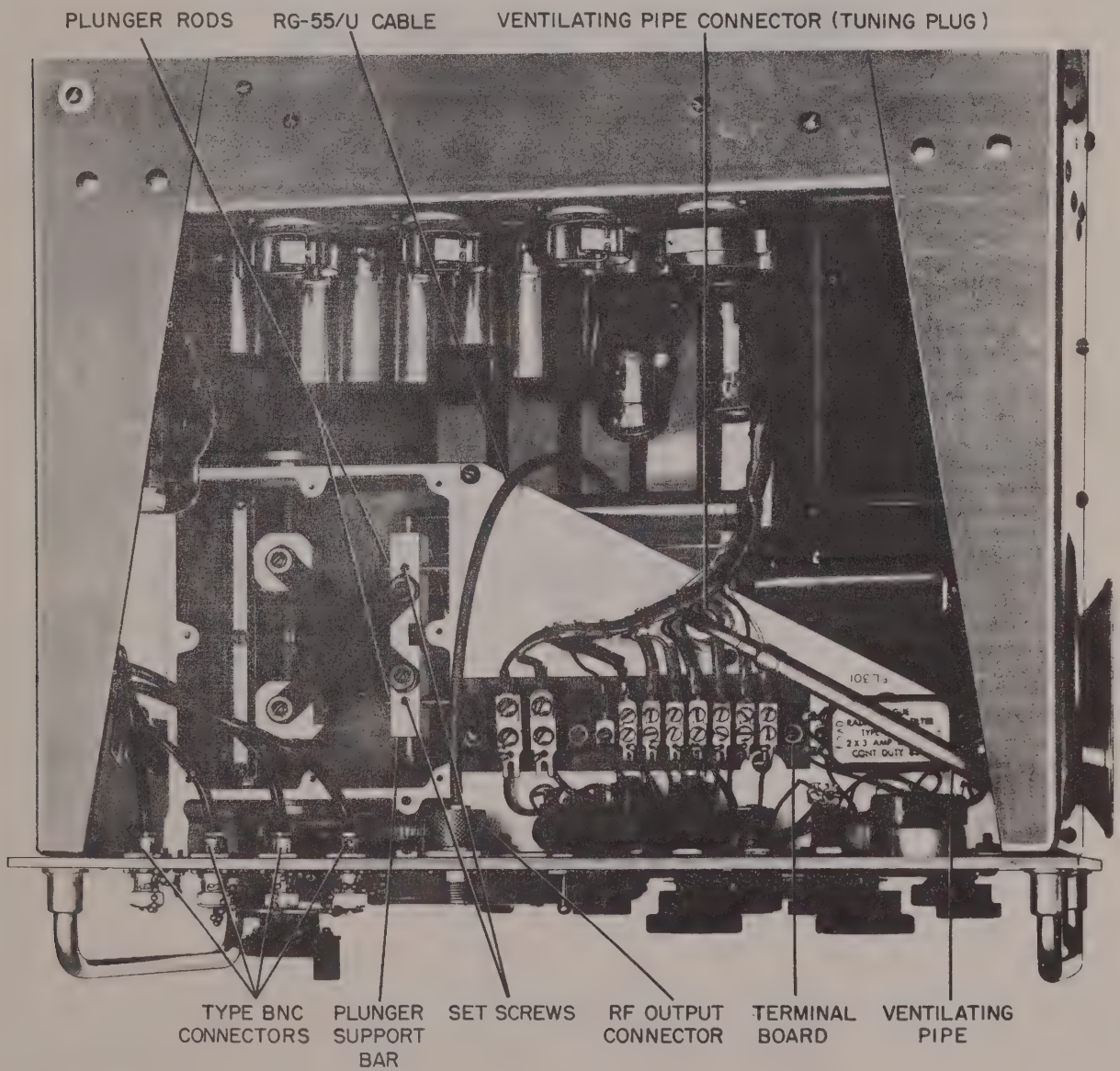


Figure 4-2. Frequency Control Assembly, Signal Generator AN/URM-52, Bottom View

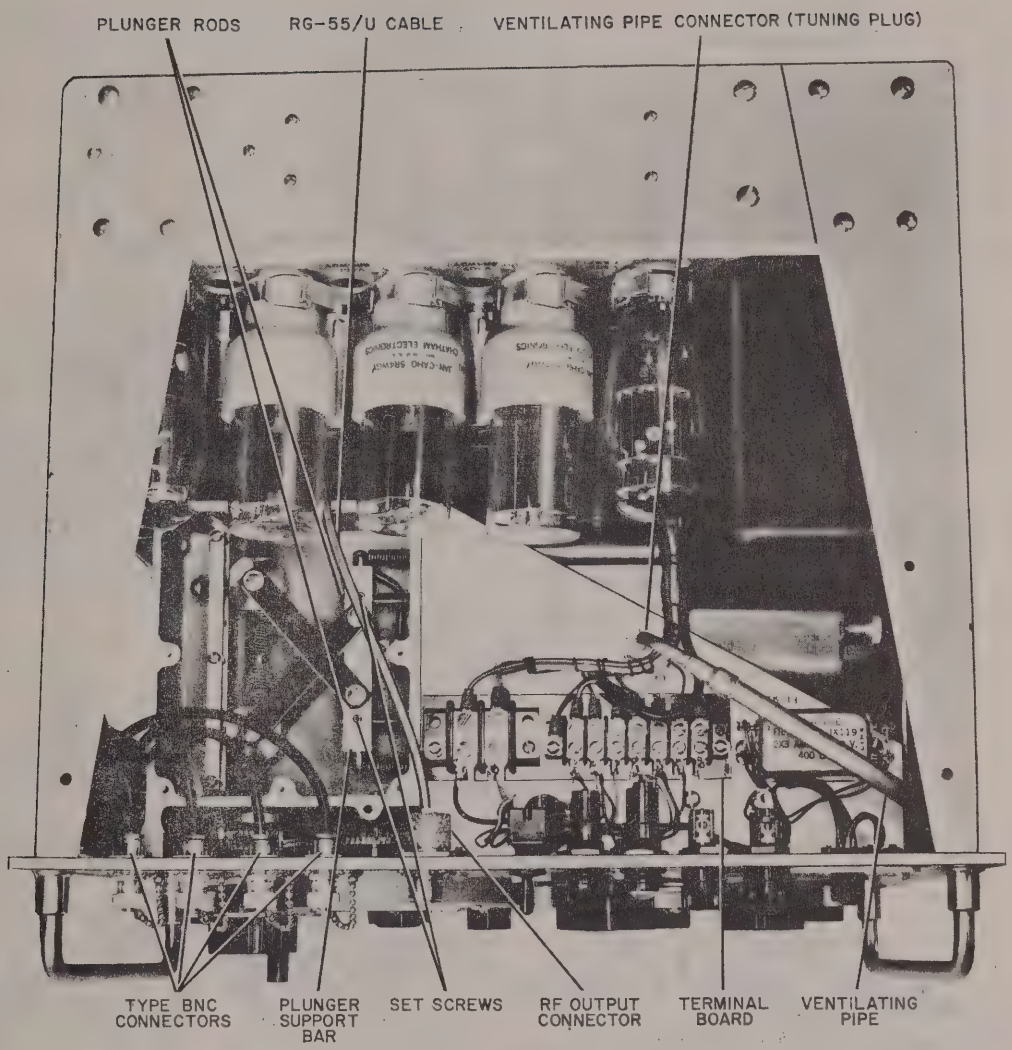


Figure 4-2A. Frequency Control Assembly, Signal Generator AN/URM-52A, Bottom View

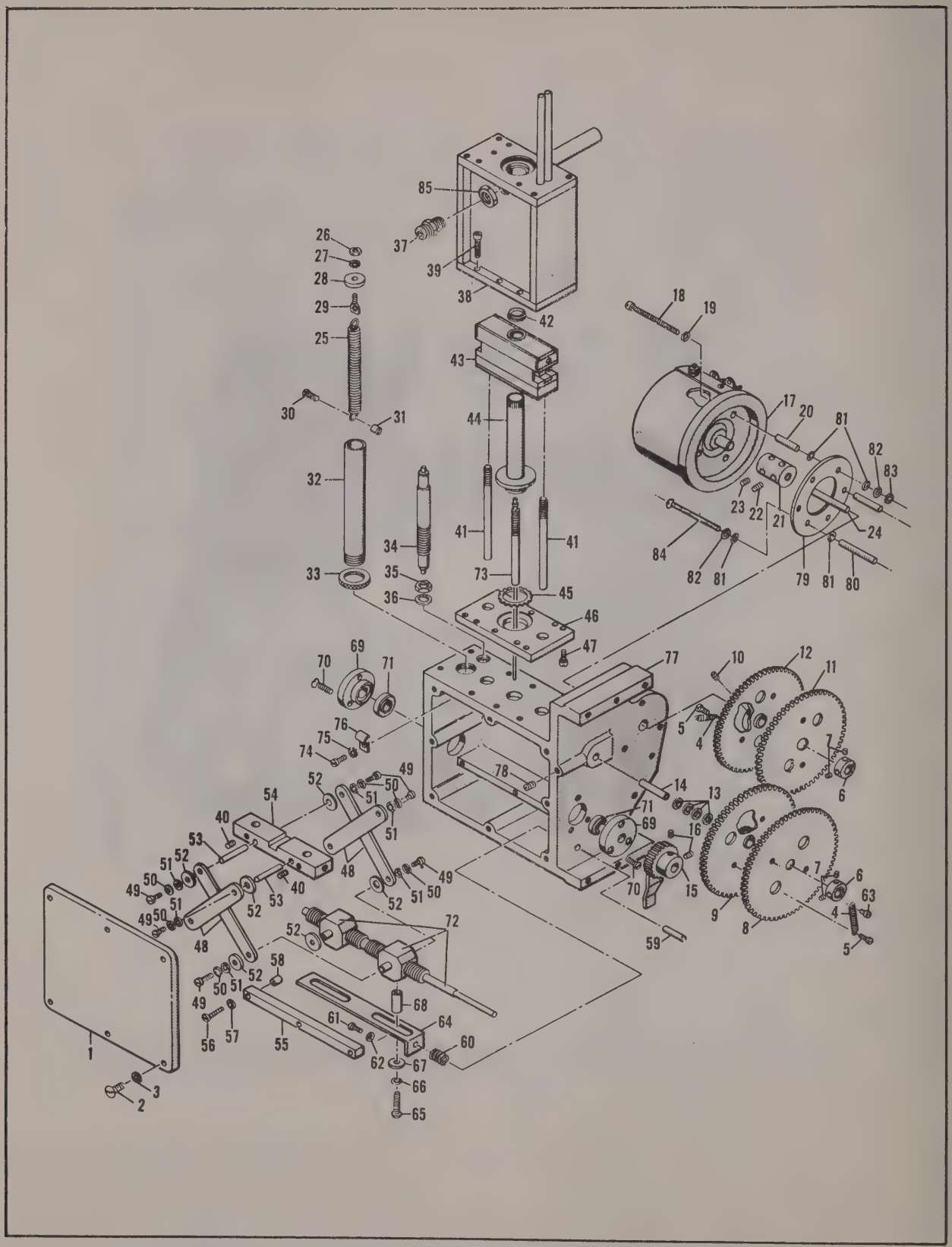


Figure 4-3. Frequency Control Assembly, Signal Generator AN/URM-52, Exploded View

o. Loosen set screws (22) in coupler (21) and remove repeller tracking potentiometer (17) from control casting.

p. Remove the three mounting screws holding resistor mounting plate to top of resonator. Remove plate.

q. Insert 3/4 inch long, 8-32 thread screw (79) into tapped hole in resonator next to klystron entrance, full length of screw. This is to prevent plunger in cavity from striking and damaging teflon cover over attenuator waveguide when drive rods (41) are released from plunger support bar (54).

r. Loosen set screws (40) in plunger support bar (54) to release drive rods (41).

NOTE

The cavity assembly should not be disassembled further except in extreme emergency. Individual parts cannot be replaced. A complete cavity assembly is supplied in the spare parts.

s. Remove the four mounting screws (47) holding resonator to casting. Remove resonator.

t. Disconnect lead between the repeller filter (34) and the coupling capacitor C-136 on top of frequency control casting. The resistor mounting board and coupling capacitor may now be removed from casting if desired.

u. Loosen set screw (16) and remove gear (15).

v. Remove mounting screws (2) and bottom cover (1) from casting.

w. Loosen set screw (78) accessible through hole in bottom of front edge of casting.

WARNING

Exercise care in performing the next step. Gears (8) and (9) are spring loaded with respect to each other and also with respect to their meshing gears (11) and (12). Immediately upon disengaging either set of gears, they will unload with sufficient force to painfully pinch the fingers.

x. Remove as an assembly gears (8) and (9), collar (6), washers (13), and shaft (14). Use same washers (13) upon reassembly.

y. The bearing surface in the casting can be marred by set screw scars on shafts. Remove burrs from shaft (24).

z. Withdraw as an assembly gears (11) and (12), collar (6), and shaft (24).

aa. Remove spring shield end (28) and spade lug (29) from frequency drive loading springs (25), thereby disengaging springs.

ab. Remove mounting screw (56), washer (57), stop spacer (58) and stop spacer bar (55).

KEY TO FIGURE 4-3.

1. Casting cover
2. Screw
3. Washer
4. Spring
5. Screw
6. Shaft collar
7. Set screw
8. Gear (spring loading)
9. Gear
10. Set screw
11. Gear (spring loading)
12. Gear
13. Washer
14. Shaft
15. Gear
16. Set screw
17. Repeller tracking potentiometer
18. Screw
19. Washer
20. Spacer
21. Coupler
22. Set screw
23. Set screw
24. Shaft
25. Spring
26. Nut
27. Washer
28. Spring shield end
29. Spade lug
30. Screw
31. Stop spacer
32. Spring shield
33. Knurled nut
34. R-F filter assembly
35. Nut
36. Washer
37. Connector body
38. Cavity
39. Screw
40. Set screw
41. Plunger rod
42. Plunger insert ring
43. Plunger
44. Center conductor assembly
45. Spring washer
46. Cavity back plate
47. Screw
48. Connecting rod
49. Screw
50. Washer
51. Washer
52. Spacer
53. Link pin
54. Plunger support bar
55. Stop spacer bar
56. Screw
57. Washer
58. Stop spacer
59. Stop pin
60. Stop spring
61. Screw
62. Washer
63. Screw
64. Stop bracket
65. Screw
66. Washer
67. Washer
68. Guide
69. Retainer
70. Screw
71. Ball bearing
72. Drive screw and nut assembly
73. Repeller filter assembly
74. Screw
75. Washer
76. Cable clamp
77. Frequency control casting
78. Set screw
79. Screw (inserted as shown to prevent plunger from striking teflon cover over attenuator waveguide)
80. Spacer (ring mounting)
81. Washer, plain
82. Washer, lock
83. Nut
84. Screw
85. Nut, cavity

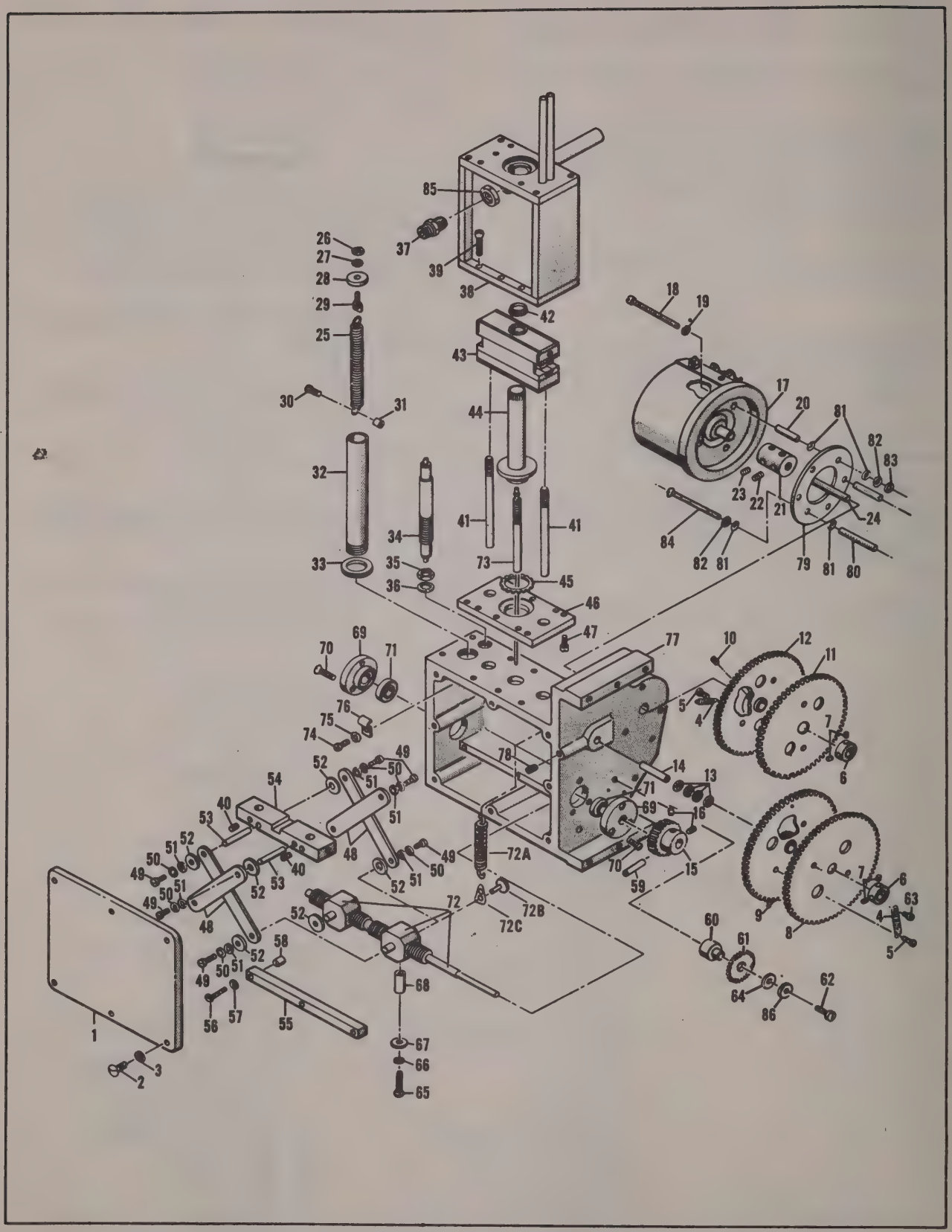


Figure 4-3A. Frequency Control Assembly, Signal Generator AN/URM-52A, Exploded View

ac. On the TS-621/U, remove screw (61, figure 4-3) from stop pin (59) and withdraw pin (59), spring (60), screw (61), and washer (62) from casting. On the TS-621B/U, remove the two springs (72A) from lugs (72C).

ad. Remove mounting screws (70, figures 4-3 and 4-3A) and bearing retainers (69).

CAUTION

In step ae below be extremely careful not to mar the threads on the drive screw and nut assembly (72).

ae. Measure and record exact distance front ball bearing (71) protrudes from inside face of casting. This positioning has been set so that the holes in plunger support bar (54) line up perfectly with plunger drive rods (41) when the resonator is installed.

af. With a soft hammer (leather or plastic) tap on rear end of drive screw and nut assembly (72) lightly until both front and rear ball bearings (71) are clear of the casting.

ag. Remove the ball bearing nearest the front panel from the drive screw and nut assembly.

ah. By raising the rear end of the drive screw and nut assembly from the casting, draw the drive screw and nut assembly and connecting rod assembly out.

KEY TO FIGURE 4-3A.

1. Casting cover
2. Screw
3. Washer
4. Spring
5. Screw
6. Shaft collar
7. Set screw
8. Gear (spring loading)
9. Gear
10. Set screw
11. Gear (spring loading)
12. Gear
13. Washer
14. Shaft
15. Gear
16. Set screw
17. Repeller tracking potentiometer
18. Screw
19. Washer
20. Spacer
21. Coupler
22. Set screw
23. Set screw
24. Shaft
25. Spring
26. Nut
27. Washer
28. Spring shield end
29. Spade lug
30. Screw
31. Stop spacer
32. Spring shield
33. Knurled nut
34. R-F filter assembly
35. Nut
36. Washer
37. Connector body
38. Cavity
39. Screw
40. Set screw
41. Plunger rod
42. Plunger insert ring
43. Plunger
44. Center conductor assembly
45. Spring washer
46. Cavity back plate
47. Screw
48. Connecting rod
49. Screw
50. Washer
51. Washer
52. Spacer
53. Link pin
54. Plunger support bar
55. Stop spacer bar
56. Screw
57. Washer
58. Stop spacer
59. Gear-stopping pin
60. Stop gear spacer
61. Stop gear
62. Screw
63. Screw
64. Lock washer
65. Screw
66. Washer
67. Washer
68. Guide
69. Retainer
70. Screw
71. Ball bearing
72. Drive screw and nut assembly
72A. Spring (TS-621B/U only)
72B. Screw (TS-621B/U only)
72C. Lug (TS-621B/U only)
73. Repeller filter assembly
74. Screw
75. Washer
76. Cable clamp
77. Frequency control casting
78. Set screw
79. Screw (inserted as shown to prevent plunger from striking teflon cover over attenuator waveguide)
80. Spacer (ring mounting)
81. Washer, plain
82. Washer, lock
83. Nut
84. Screw
85. Nut, cavity
86. Washer, lock

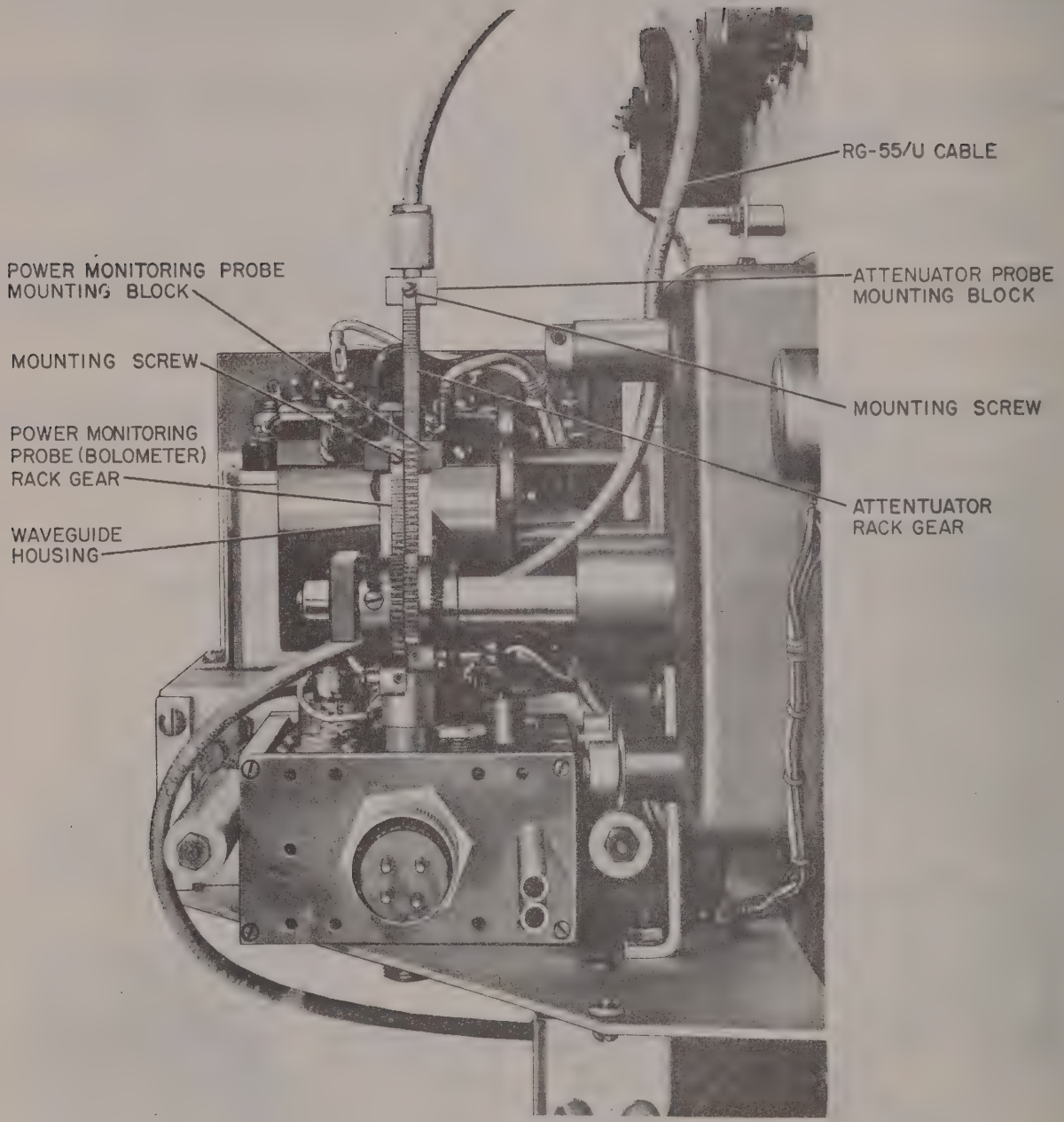


Figure 4-4. Attenuator and Power Monitoring Probe Drive Assembly

ai. Remove both screws (65, figures 4-3 and 4-3A) and spacers (68).

aj. Remove screws (49), removing connecting rods (48) and spacers (52).

ak. On the AN/URM-52A, remove stop gear retainer screw (62, figure 4-3A) with washers (63) and (64), gear (61) and gear spacer (60).

NOTE

All parts of the connecting rod, and drive screw and nut assembly should be tagged so they can be reassembled exactly as disassembled, and so that the same faces of the nuts will be in their original positions upon reassembly. The screws and nuts are a matched assembly and must be replaced as an assembly in order to maintain calibration of the signal generator. Do not remove nuts from drive screw and nut assembly unless absolutely necessary. Mark the surfaces so they can be replaced exactly as they were originally.

4-8. DISASSEMBLY OF ATTENUATOR DRIVE ASSEMBLY. (See figure 4-5.) If it is found necessary, the attenuator gear box can be disassembled in accordance with the following procedure:

a. Follow steps a through d of paragraph 4-7.

b. Remove the attenuator and power monitoring probes from the front panel assembly in accordance with instructions in Section VI of the Service Handbook.

c. Remove the OUTPUT ATTEN. control knob (12, figure 4-1), and POWER SET control knob (13), lock plate hubs, OUTPUT ATTEN. dial cover (14), attenuator dial index window (17), OUTPUT ATTEN. dial (16), and the four flat head screws holding the casting to the front panel.

d. Go to rear of the panel assembly. Loosen set screw (1, figure 4-5) and remove mounting screws (3) in guide clamp (2).

e. Remove mounting foot between gear box and bracket below resonator (figure 4-4).

f. Loosen set screws (15 and 18) and spring holding screws (8 and 9) in bolometer and attenuator drive gears (14, 17, figure 4-5).

g. Manipulate gear box (59) to disengage guide clamp (2) and rack guide (4), bringing guide clamp up and off waveguide housing on resonator.

h. Remove gear box from front panel.

i. Withdraw rack guide (4) with gears (14 and 17) from shaft (45) and attenuator drive tube (31).

j. Remove rack springs (6 and 7) from gears (14 and 17).

k. Accurately mark position of rack spring holder (10) on attenuator rack gear (13).

l. Remove rack spring holders (10) with springs from rack gears (12 and 13).

m. Remove POWER SET dial gear (49) from shaft (52).

n. Remove stop screw (58) from side of casting.

o. Lift out as an assembly attenuator gear hub (43), bolometer gear (41), spacer (34), bolometer idler gear (33), and shaft (45). Bearing (32) may pull out on bolometer shaft (45) or may remain in its seat in the hub of attenuator drive tube (31). Washer (53) must be kept with this assembly and replaced when reassembled.

CAUTION

Do not further disassemble gear assembly unless absolutely necessary.

p. Remove collar (46) and washer (48) from shaft (57) which mounts POWER SET dial drive gear (54).

q. Withdraw shaft (57) and POWER SET dial drive gear (54). Do not lose any of the washers (53) between gear and casting. The same number of washers must be used here when gear box is reassembled.

r. Remove shaft collar (46) on OUTPUT ATTEN. dial shaft (52) which mounts OUTPUT ATTEN. dial gear (50).

s. Withdraw shaft (57) with OUTPUT ATTEN. dial drive gear (55) from the casting (59) being careful to retain washers (53) with this shaft and gear.

t. Remove as an assembly large attenuator gear (29), attenuator idler gear (25), spacer (26), and attenuator drive tube (31). See NOTE following step o above.

u. Loosen set screw in ball bearing housing on rear of casting (59).

v. Remove both ball bearing (19) and spacer (20).

4-9. DISASSEMBLY OF RESONATOR AND/OR REMOVAL OF REPELLER FILTER. If it is found necessary, the resonator can be disassembled in accordance with the following procedure:

a. Remove klystron socket housing, socket, and klystron as described in Section VI of the Service Handbook.

b. Remove resonator ventilating tube (figure 4-2).

c. Remove front panel assembly from the pulser and power deck assembly in accordance with paragraph 4-7, steps a through d.

d. Remove attenuator gear box from front panel in accordance with paragraph 4-7.

e. Remove the three mounting screws holding the aluminum resistor mounting plate on top of resonator. Remove plate, disconnecting only the black and white leads to the power monitoring probe.

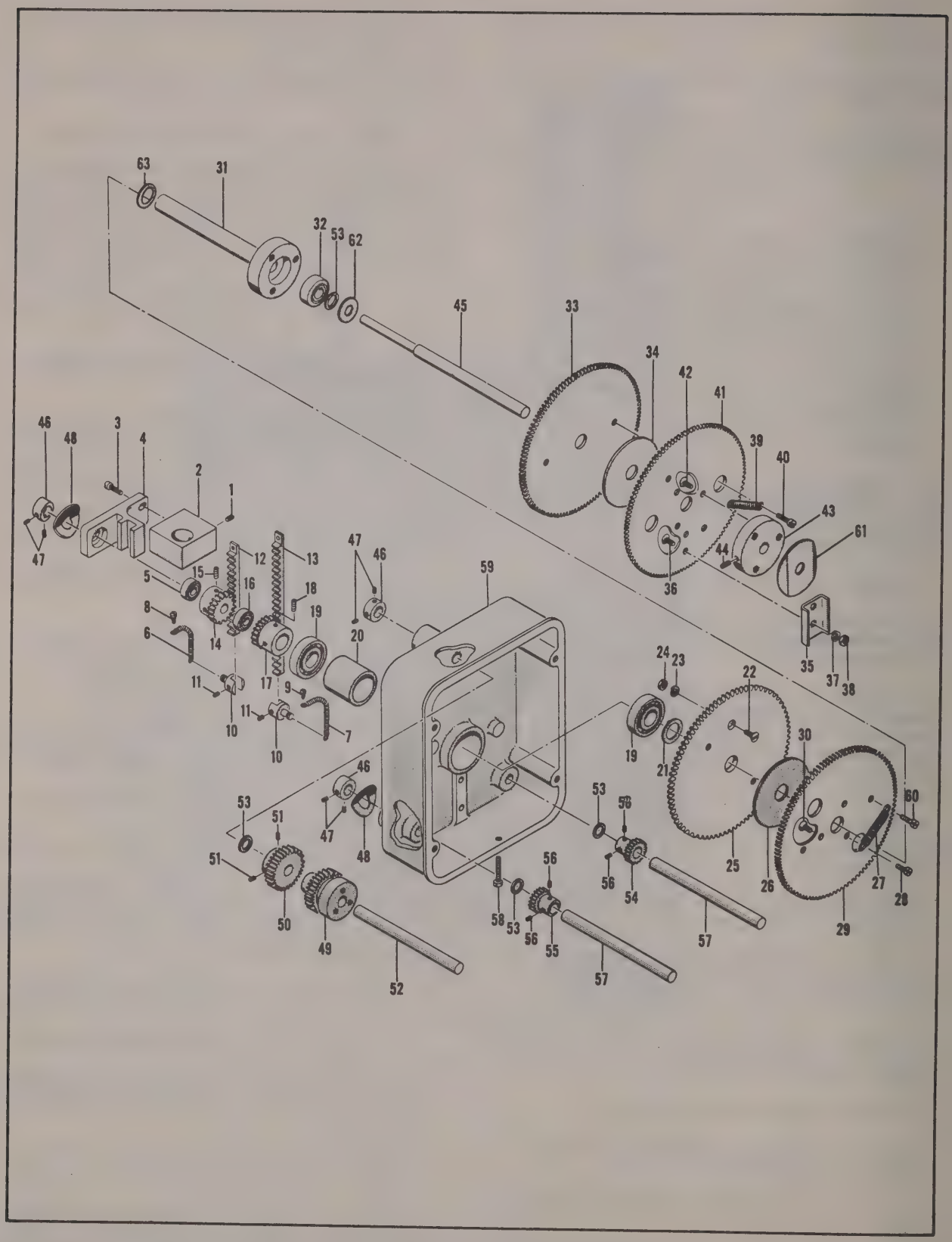


Figure 4-5. Attenuator Drive Assembly, Exploded View

f. Turn SIGNAL FREQUENCY control to low frequency end of range. Remove casting cover (1).

g. If not done previously, insert 3/4 inch long 8-32 thread screw (79, figures 4-3 and 4-3A) into threaded hole in front plate of resonator next to klystron entrance. This will prevent the plunger from sliding down against the teflon cover over the end of the waveguide housing.

h. Loosen the two set screws (40) in the plunger support bar (54). Mark rods so they can be reassembled in exactly the same position.

i. Carefully pull plunger rods (41) from the drive bar, being careful not to cock the plunger.

j. Disconnect the blue repeller lead from r-f filter assembly (34) inside casting (77).

k. Remove the six Allen mounting screws (39) holding the cavity (38) to the casting (77). Remove cavity.

l. If it is necessary to replace the repeller conductor within the cavity center conductor, it can now be removed by unscrewing from back of cavity.

NOTE

Do not further disassemble the cavity except in case of extreme emergency.

CAUTION

Upon disassembly of cavity, mark all parts removed so they can be replaced in exactly the same positions relative to each other.

m. Remove the four mounting screws (47) holding the cavity back plate (46) to the cavity and remove back plate and TruArc spring washer retaining ring (45).

n. Unscrew plunger rods (41) and remove.

o. Carefully pry up both sides of the center conductor assembly (44) and remove.

p. Reinstall plunger rods (41) to withdraw plunger (43).

4-10. ADDITIONAL DISASSEMBLY. Additional disassembly can be accomplished after a visual inspection of the equipment.

KEY TO FIGURE 4-5

1. Set Screw
2. Guide clamp
3. Screw
4. Rack guide
4A. Washer
4B. Washer
5. Ball bearing
6. Short rack spring
7. Long rack spring
8. Screw
9. Screw
10. Rack spring holder
11. Set Screw
12. Bolometer rack gear
13. Attenuator rack gear
14. Bolometer drive gear
15. Set Screw
16. Ball bearing
17. Attenuator drive gear
18. Set screw
19. Ball bearing
20. Spacer
21. Washer
22. Screw
23. Washer
24. Nut
25. Attenuator idler gear
26. Spacer
27. Spring
28. Screw
29. Attenuator gear
30. Screw
31. Attenuator drive tube
32. Ball bearing
33. Bolometer idler gear
34. Spacer
35. Bracket
36. Screw
37. Washer
38. Nut
39. Spring
40. Screw
41. Bolometer gear
42. Screw
43. Attenuator gear hub
43A. Compression washer
44. Set Screw
45. Bolometer shaft
46. Shaft collar
47. Set screw
48. Washer
49. POWER SET dial gear
50. OUTPUT ATTEN. dial gear
51. Set screw
52. OUTPUT ATTEN. dial shaft
53. Washer
54. POWER SET dial drive gear
55. OUTPUT ATTEN. dial drive gear
56. Set screw
57. Shaft
58. Screw
59. Casting
60. Screw

SECTION V

CLEANING

5-1. CLEANING.

5-2. GENERAL. Remove grease and oil from cables and cords using a soft cloth dampened with dry cleaning solvent, Federal Specification P-S-661a. Clean the connectors on the front panel and on the cables, using a soft, dry cloth. Also using a soft cloth slightly dampened with water, clean the knobs, POWER SET meter glass, MEGACYCLES dial window, attenuator dial index, and the glass jewels on the HEATER and POWER indicators. Brush out interior of the transit case, and wipe exterior free of dirt and dust. Clean cabinet. Clean dust from repeller tracking potentiometer R-174. Remove and inspect air filter inside cabinet and replace if necessary. Be careful to prevent dirt and dust from falling into resonator ventilating tube.

CAUTION

Do not use dry cleaning solvent on electrical parts.

5-3. MECHANICAL. After dusting the disassembled mechanical parts, clean with dry cleaning solvent, Federal Specification P-S-661a, all moving metal parts which have been disassembled. Do not clean sealed bearings. Avoid contacting ceramic, plastic, and fiber surfaces with solvent. Do not attempt to clean with solvent any electrical parts. Normally, the gear assemblies and the cavity will not be completely disassembled. No cleaning is necessary on units which have not been disassembled.

5-4. LUBRICATION. The signal generator ordinarily does not require lubrication other than that given it during its initial manufacture. The following lubrication instructions are complete, but it should be borne in mind that lubrication is necessary only on those parts which have been disassembled, and cleaned with dry cleaning solvent as specified in paragraph 5-3. Lubricate with light machine oil, Specification MIL-O-6066, all shafts which revolve within a bearing or gear; between the POWER SET dial drive gear (54, figure 4-5) and the boss in the casting, and between the OUTPUT ATTEN. dial drive gear (55) and its boss in the casting; the drive screw of the drive screw and nut assembly (72); and the stop pin (59, figure 4-3 or 4-3A). Lubricate with white grease, Specification MIL-G-3278, all spring washers and the teeth of all gears. Do not lubricate sealed bearings.

SECTION VI

INSPECTION

6-1. INSPECTION.

6-2. GENERAL. Each subassembly, assembly, and part in the equipment must be inspected for evidence of damage, wear, or deterioration. A thorough inspection requires a systematic procedure. The following inspection chart will aid the technician in locating specific defects and will insure that no items are overlooked:

ITEM	INSPECTION
Capacitors, Fixed	a. Signs of overheating (wax drops, bubbles, etc.) b. Cracks, nicks, breaks. c. Oil or other dielectric leakage (electrolytic capacitors, especially).
Coils	a. Signs of overheating. b. Broken forms. c. Loose iron in core (in iron core filter chokes).
Connectors, Plugs and Receptacles	a. Bent, broken, sprung, missing pins and contacts. b. Corroded, pitted pins and contacts. c. Cracked, broken dielectric body.
Dial Couplings	a. Loose set screws.

ITEM	INSPECTION
Fuse	a. Burned out fuse buss. b. Broken envelope. c. Corroded, pitted contacts.
Fuse Holder	a. Corroded, pitted contacts. b. Damaged threads. c. Cracked body. d. Weak, worn spring.
Insulators, Ceramic	a. Cracks, breaks.
Insulators, Phenolic (e.g. resistor and capacitor boards)	a. Cracks, breaks. b. Loose soldered terminals. c. Carbonized sections.
Lamp	a. Broken envelope. b. Corroded, pitted contacts. c. Loose base.
Lamp Holders	a. Cracked, broken lens. b. Corroded, pitted contacts. c. Damaged threads. d. Weak, broken spring.
Mounting Hardware	a. Missing hardware. b. Loose connections. c. Damaged or crossed threads. d. Damaged screw heads. e. Broken lock washers.
Resistor, Fixed	a. Signs of overheating such as charred paint, swelling, etc. b. Cracking, breaking.
Resistors, Variable	a. Binding shafts. b. Rough rotation. c. Abrupt changes in resistance with rotation (check with ohmmeter). d. Damaged mounting accessories.
Sockets, Tube	a. Broken contacts. b. Corroded, pitted contacts. c. Cracked, broken or charred body.
Solder Joints	a. Broken joint. b. Rosin joint. c. Cold solder joint. d. Excess solder. e. Insufficient solder.
Switches, Rotary	a. Burned, pitted contacts. b. Broken, bent contacts. c. Binding shaft. d. Faulty index action. e. Cracked switch wafer. f. Loose mounting
Switches, Toggle	a. Broken body. b. Faulty snap action. c. Charred insulation.
Transformers	a. Signs of overheating such as leakage of pitting compound, burnt odor, etc. b. Damaged body. c. Bent or broken electrical contacts.

ITEM	INSPECTION
Wiring	a. Signs of overheating. b. Chafing. c. Fraying. d. Improperly dressed harness.
All Electrical Parts	a. Short circuits. b. Defective insulation. c. Improper characteristics. d. Corrosion.

In addition to the procedure given above, the technician should check each moving part to see that there is no binding or roughness in any part of its range.

6-3. MECHANICAL PARTS. The items referred to in paragraphs 4-7 and 4-8 should be inspected for the following defects:

ITEM	INSPECTION
Gears	a. Worn or broken teeth. b. Damaged set screw or bearing.
Threaded Parts	a. Stripped threads. b. Worn threads. c. Crossed threads.
Bearings	a. Wear. b. Improper tolerance. c. Corrosion. d. Other damage.
Springs	a. Broken eyes. b. Distortion in shape or length.
All Mechanical Parts	a. Rust. b. Corrosion, and pitting.

SECTION VII

REPAIR AND REPLACEMENT

7-1. REPAIR.

7-2. Most of the parts in the equipment, e.g., resistors, capacitors, etc., are not subject to repair but are replaced as a unit when they become defective. Therefore, repair generally consists of cleaning and straightening the contacts of connectors, sockets, and switches, resoldering electrical connections, and aligning the mechanical parts.

7-3. REPLACEMENT.

7-4. Most replacement can be accomplished after a visual inspection of the equipment.

SECTION VIII

REASSEMBLY AND TESTING OF SUBASSEMBLIES AND ASSEMBLIES

8-1. REASSEMBLY.

8-2. REASSEMBLY OF RESONATOR. (See figures 4-3 and 4-3A.) In general the resonator is reassembled in reverse order of disassembly. The following procedure should be employeed:

a. Install plunger and rods (43) and (41) on center conductor (44).

b. Replace center conductor and plunger in cavity, in exactly the same relative positions as they were before disassembly.

c. Replace spring washer (45) and back plate (46).

d. Reinstall repeller filter (73) to original depth, if removed during disassembly.

e. Replace braid in slot and reinstall cavity on drive casting (77), being careful not to cock plunger when feeding plunger rods through plunger support bar (54).

f. Reconnect blue lead from filter (34) in casting. Tighten under cable clamp (76).

g. Position the plunger rods to as near their former depth in the drive rod as possible. Tighten the set screws moderately. Further adjustments will be required. Do not install klystron at this time.

8-3. REASSEMBLY OF ATTENUATOR DRIVE ASSEMBLY. (See figure 4-5.) In general the attenuator drive is reassembled in reverse order of disassembly.

CAUTION

Many of the parts in the mechanical drives are machined to critical tolerances. Therefore, no attempt should be made to force parts together. Make certain that the parts are being assembled properly and that the moving parts move without binds or misalignment.

The following procedure should be employed:

a. Before reassembly, carefully use a fine file to remove burrs on all shafts held by set screws.

b. If the spring loaded, double gear assemblies have been disassembled, replace screws (28 and 40) with new round head stainless steel screws, size 4-40, NC-2, 3/8 inch long. Thread screws through gear and file off flush with back of gear.

c. Insert ball bearings (19) into casting with spacer (20) between. Press in from the panel side until the ball bearing on the panel side is 1/64 inch below the inside surface of the casting. At this time the other bearing may protrude slightly from the back surface of the casting.

d. Insert attenuator drive tube (31) and its attached gears (25 and 29), with washer (21) on drive tube so that stop nut (24) on the back side of gear (25) is positioned on the shorter circumference between the two uppermost stop bosses inside the back of the casting.

e. Insert shaft (57) with OUTPUT ATTEN. drive gear (55), with original washers (53) between gear and casting, through proper bearing hole in casting, engaging attenuator gear (29) only. Attach shaft collar (46) and washer (48) to shaft (57) at rear of casting and tighten.

f. Insert OUTPUT ATTEN. dial gear (50) and shaft (52), with original washers (53), into casting engaging and spring loading attenuator gears (25 and 29). Attach collar (46) on shaft (52) to the rear of casting and tighten.

g. Insert into casting POWER SET dial drive gear (54) and shaft (57) with original washers (53) between gear and casting. Attach collar and spring washer to shaft (57) at rear of casting and tighten.

h. Making certain original washer (53) is between bolometer idler gear (33) and ball bearing (32), install large bolometer gear (41) and its assembly, including gear (33) and bolometer shaft (45). Slip shaft through ball bearing (32) into attenuator drive tube (31) so that gear (33) engages gear (54).

i. Install stop screw (58) so that it is in stop bracket (35).

j. Slip POWER SET dial gear (49) over OUTPUT ATTEN. dial shaft (52) to engage and spring load gears (33 and 41), and so that one of the tapped holes in the hub of gear (49) is straight up when stop screw (58) is centered in stop bracket (35). This is to center the POWER SET control properly.

k. Go to back of casting to install bolometer and attenuator drive gears (14 and 17) and rack guide (4).

l. Slip gears (14 and 17) over bolometer shaft (45) until end of shaft (45) just reaches end of gear (14). Hold rack guide (4) with teeth of gears (14 and 17) in slots. Push entire assembly onto shaft (45) so that bearing in gear (17) butts against the end of drive tube (31).

m. Insert bolometer rack gear (12) so that it protrudes 1/2 inch to the right of rack guide (4). The clockwise tapped hole in gear (14), viewed from rear, must be straight up and will be the one to hold one end of spring (6). The Allen set screw (15) will now be to the left.

n. Insert attenuator rack gear (13) so that it protrudes 3/4 inch to the right of the rack guide (4). The clockwise tapped hole in gear (17) must be straight up and will be the one to hold one end of spring (7). The Allen set screw (18) will now be to the left.

o. Attach long rack spring (7) to gear (17) with spring mounting screw (9). Do not tighten this screw down against drive tube (31).

p. Draw spring (7) around the hub of gear (17), counter-clockwise, and set spring holder (10) on rack gear (13) in exactly the same position as before disassembly. (See figure 4-4.)

q. Feed short spring (6) around hub of gear (14), clockwise, and attach to gear (14) by screw (8). Do not tighten this screw down against shaft (45).

r. Draw spring holder (10) down rack gear (12) until flush with end (former position) and tighten set screw (11) in spring holder.

s. Position gear box (59) on front panel so that shaft (52) enters its hole in panel before shafts (57) through their lock plates.

t. Before installing any mounting screws, place guide clamp (2) over the waveguide housing and position into guide rack (4).

u. Install four mounting screws through front panel into casting and tighten.

v. Install lock plate collars, knobs, dials, etc.

w. Insert mounting screws (3) through rack guide (4) into guide clamp (2) and tighten. Also tighten set screw (1) in guide clamp (2).

x. Install mounting foot between attenuator drive gear box and bracket below resonator.

y. Install power monitoring probe in accordance with instructions in Section VI of the Service Handbook. Insert mounting screw through rack gear (12) into probe mounting block and tighten.

z. Install attenuator probe in accordance with instructions in Section VI of the Service Handbook. Insert mounting screw through rack gear (13) into probe mounting block and tighten.

aa. Position the power monitoring probe so that the lower surface of the mounting block is 0.010 inch above the top of the waveguide housing when the POWER SET control is at its extreme counter-clockwise position, viewed from the front.

ab. Tighten the Allen set screw (15) and spring mounting screw (8) in gear (14).

ac. With the attenuator control at extreme counter-clockwise position, bring attenuator probe down very gently until it touches the bottom of the waveguide housing.

ad. Set gear (14) so that its teeth line up with gear (17), then draw up gear (17) the width of the top of one tooth, approximately 1/32 inch.

ae. Tighten set screw (18) and spring mounting screw (9) in gear (17).

8-4. REASSEMBLY OF THE FREQUENCY CONTROL ASSEMBLY. (See figures 4-3 and 4-3A.) Reassemble the frequency control assembly in the reverse order of disassembly except as follows:

a. If the nuts are removed from drive screw and nut assembly screws (72), make certain on reassembly, that exactly the same number of threads on each screw section are in the clear on outside of nuts and that the faces of the nuts are in their original positions.

b. If disassembled, assemble connecting rods (48) to plunger support bar (54) and nuts on drive screw and nut assembly (72).

c. Being extremely careful to protect the threads on the drive screw of drive screw and nut assembly (72), place the long shaft end through front hole in casting. Then fit the rear end, with bearing (71), into hole in rear of casting.

ca. On the TS-621B/U, insert the two springs (72A) into the spring retaining lugs (72C).

d. Install front bearing (71), slipping it down the shaft and into its hole from the front side of casting.

e. Install both bearing retainers (69). Tighten down on bearing retainer (69) until front bearing (71) is in exactly the same position as it was before removal. This position should allow the holes in the plunger support bar (54) to line up perfectly with the plunger rods (41).

f. On the TS-621/U, with stop bracket stop spring (60, figure 4-3) in place between the front of casting and stop bracket (64), insert stop pin (59) through its hole in front end of casting, through the spring, and screw into stop bracket.

g. Install stop spacer bar (55, figures 4-3 and 4-3A) over the nut guides (68).

h. Using long hook to draw springs (25) through spring tubes (32) anchor springs through spring shield ends (28) to end of spring tube.

i. Install resistor mounting board and coupling capacitor on top of frequency drive casting.

j. Install large gears (11 and 12) on shaft (24) in proper hole in front of casting.

k. Install repeller potentiometer (17) with coupler (21) attached, fitting coupler (21) over shaft (24). While tightening down the three potentiometer mounting screws rotate shaft (24) in coupler. This shaft must continue to turn freely when potentiometer is securely mounted.

l. Install large gears (8 and 9) and shaft (14) in proper hole in front of casting and tighten set screw (78). Use same number of washers between gear (9) and face of casting as was used prior to disassembly.

m. Install stop gear (15) engaging and spring loading gears (8 and 9).

n. The stop gear (15) must be set to allow for 24 full turns, starting with the centers of the toggle nuts exactly 1-1/2 inches apart.

o. Turn frequency control assembly until the nuts on the drive screw and nut assembly are separated as far as they will go and the stop is reached. Back off 1/2 turn. Go to rear of repeller potentiometer. Set arm so that contactor is just at the end of the resistance wire in a counterclockwise direction. Tighten set screws (23) in coupler.

p. Carefully feeding plunger rods (41) through holes in both the casting and plunger support bar (54), bring resonator up against casting. Insert mounting screws (47) and tighten.

q. Temporarily, lightly tighten set screws (40) to hold the plunger rods in plunger support bar.

r. Replace repeller lead under cable clamp (76) and resolder to repeller filter (34).

s. Secure resistor mounting plate to top of resonator taking care not to damage the exposed thermistor.

t. Replace frequency drive assembly on front panel. Insert the six mounting screws and tighten.

u. Replace attenuator drive gear box, positioning the guide clamp (2, figure 4-5) on waveguide housing to fit into rack guide on attenuator drive gear box. Insert gear box mounting screws and tighten.

v. Insert mounting screws in rack guide (4) and guide clamp, align parts so no strain will be applied when mounting screws are tightened. Tighten mounting screws.

w. Replace all ATTEN. and POWER SET control knobs and dials.

x. Replace the ZERO SET and FM AMPLITUDE potentiometers. Reconnect leads to meter.

y. Feed lugs 5, 6, 7, 8, and 9 through bracket and connect to terminal board on bracket (figure 4-2).

z. Replace bracket, insert all mounting screws and tighten.

aa. Replace FREQUENCY dial, dial cover, and knob (figure 4-1).

ab. Replace front panel assembly on pulser and power deck assemblies (figure 4-1), and reinstall the four type BNC connectors.

ac. Reconnect cables to terminal boards.

ad. Do not reinstall klystron at this time. Refer to paragraph 11-5 for adjusting internal controls prior to reinstalling klystron.

SECTION IX

REASSEMBLY AND TESTING OF COMPONENTS

9-1. REASSEMBLY.

9-2. GENERAL. No special instructions beyond those already provided are necessary for reassembly of the signal generator.

9-3. RETROPICALIZATION. After reassembly, clean all soldered joints and ends of insulated wire, then coat them with the material specified in Specification JAN-C-173, or equivalent material. Spray-coat, with the same material, the entire underside of each subassembly and assembly of the signal generator. The contacts of rotary switches, tube sockets, and other movable contacts, should be masked to prevent the material from reaching them. The spraying should be carried out in accordance with Specification JAN-C-152.

9-4. INSPECTION. Observe the following points on inspection of reassembled unit:

a. Check all wires for clearance from metal parts which might cause chafing.

b. Make sure that all movable parts move freely, without excessive play or binding.

c. All screws and nuts should be tight without binding.

d. All tubes, except the klystron, V-305 and V-307, should be firmly in place. The klystron, V-305 and V-307, are installed after certain preliminary adjustments have been made in accordance with Section XI.

9-5. TESTING.

9-6. The signal generator is tested as a complete unit in accordance with paragraphs 11-3 through 11-10.

SECTION X

FINAL REASSEMBLY

10-1. FINAL REASSEMBLY.

10-2. Since the complete equipment, Signal Generator AN/URM-52, contains only one major electrical component, namely Signal Generator TS-621/U, the equipment is completely assembled, except for installation of the klystron, V-305 and V-307, and replacing the cabinet, when the reassembly procedures through Section IX have been completed. The installation of the klystron and replacing the cabinet are described in Section XI.

SECTION XI

INSPECTION AND TESTING

11-1. INSPECTION.

11-2. Give the equipment a thorough visual inspection. This inspection should consist of a close examination to assure there are no loose hardware, loose set screws, solder particles remaining on parts, or mechanically unsound, cold solder, or "rosin" joints. Each strand of hook-up wire at every joint must be connected and the joint properly trimmed to prevent any short circuit which might otherwise occur.

11-3. TESTING.

11-4. PURPOSE. The purpose of this testing is to insure that the entire equipment, when connected by the appropriate cables with auxiliary apparatus and to the equipment being tested, operates properly as a complete signal generator.

11-5. SEQUENCE OF TESTS. Following reassembly, a complete check and, if necessary, a resetting of all internal adjustments is required. The following sequence of operation is recommended. Each step is described in Section V or Section VI in the Service Handbook.

a. With klystron socket carefully insulated from ground and all tubes but the klystron (V-114), V-305, and V-307 installed, turn instrument on and adjust R-307 to give -300 volts between terminal 6 of the terminal board under the resonator and ground.

b. Install V-305 and adjust R-320 to give -1000 volts between terminal 9 and chassis.

c. Install V-307 and adjust R-335 to give -500 volts between terminals 8 and 9.

d. For assurance of repeller voltage, measure voltage between terminal on end of repeller filter, E-111, on frequency drive casting, and chassis. This should be between approximately -1050 and -1450 volts, depending upon the setting of the MEGACYCLES dial.

e. Install klystron.

f. Adjust klystron cutoff bias and beam current as described in Section V of the Handbook of Service Instructions under Replacement of V-112 and V-113.

g. Check r-f output in accordance with paragraph on Calibration.

h. Adjust all repeller tracking potentiometers as described in Section VI.

i. Recalibrate MEGACYCLES dial if necessary.

j. Recalibrate OUTPUT ATTEN. dial if necessary.

k. Recalibrate the PULSE WIDTH, PULSE RATE, and PULSE DELAY dials if necessary.

l. Check all the functions of the MOD. SELECTOR switch as described in Minimum Performance Standards in Section VI of the Handbook of Service Instructions. With all the adjustments and tests successfully completed, the instrument may be considered to be ready for operation after the cabinet has been replaced as described in paragraph 11-6.

11-6. REPLACING CABINET. To replace the cabinet, place instrument, panel down, on a low surface. When putting the cabinet in place, use care to prevent the rubber baffle on side of instrument from being folded over by the edge of the cabinet. This will require placing a sheet of thin metal or cardboard between the baffle and the cabinet until the edge of the cabinet passes over the baffle. When the cabinet is in place, securely tighten the four captive screws.

NOTE

Marking of equipments required by Government T.O.'s or other instructions, to indicate overhaul or the incorporations of changes, shall be applied during inspection and test (if not previously applied to subassemblies, assemblies, or components during overhaul and assembly).

SECTION XII

DIFFERENCE DATA SHEETS

Not Applicable

Illustrated Parts Breakdown

SIGNAL GENERATOR
AN/URM-52
AN/URM-52A

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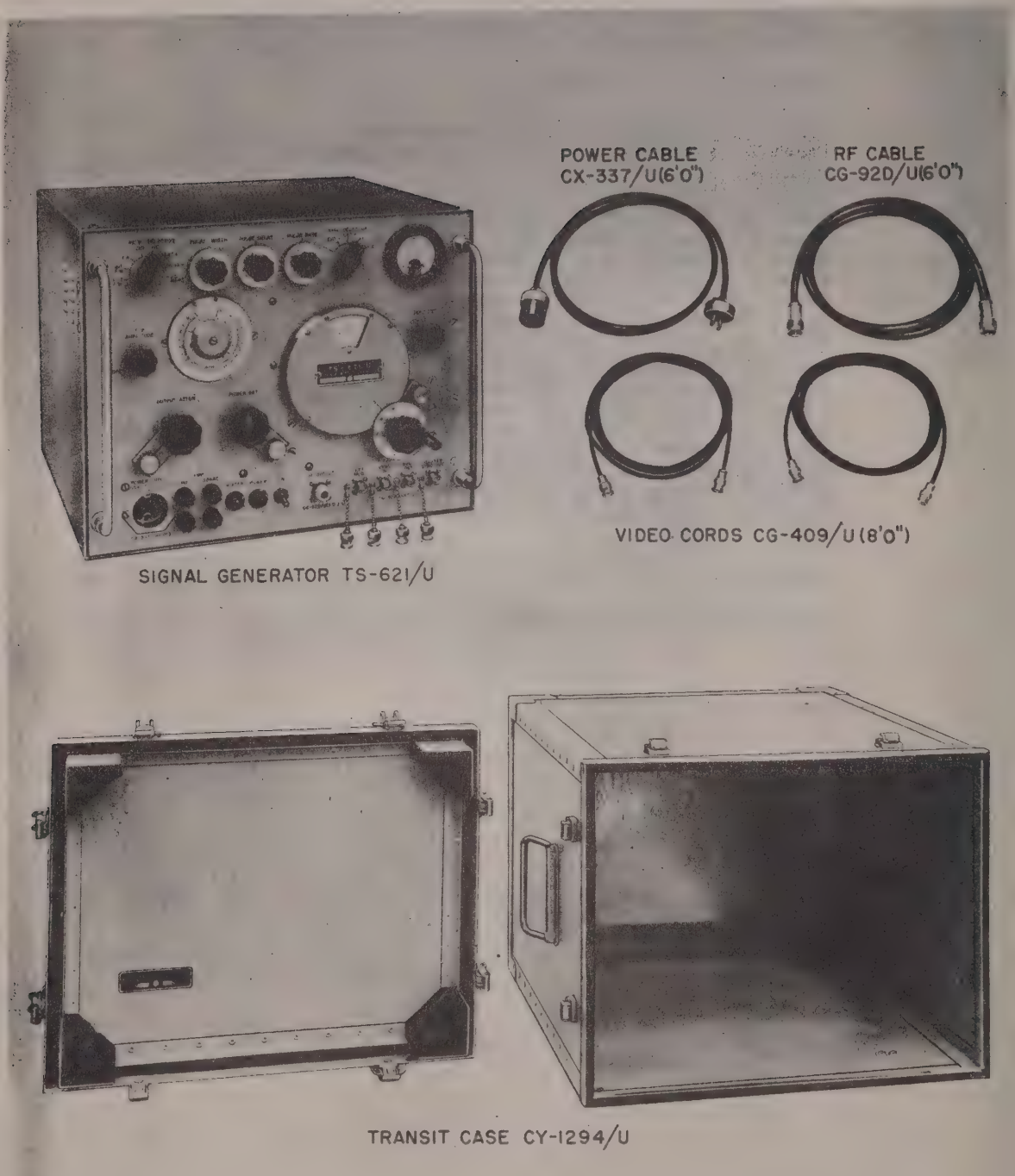
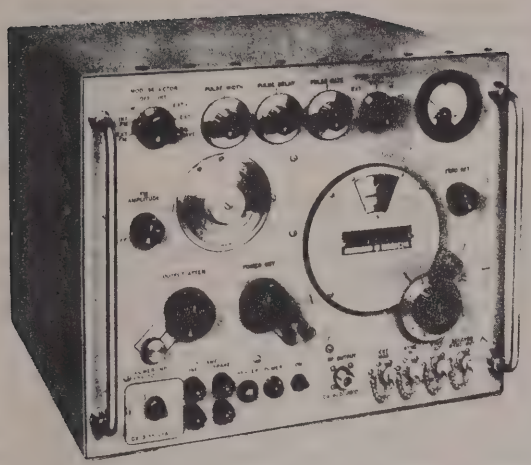


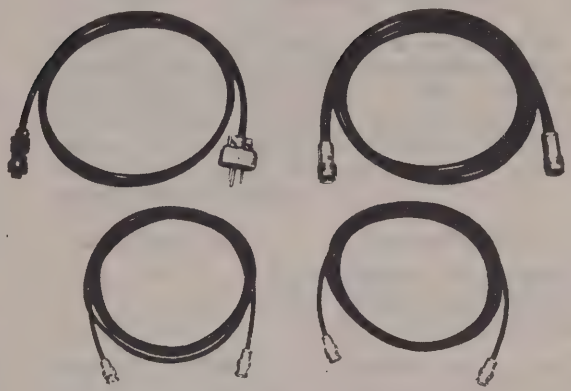
Figure 1. Signal Generator AN/URM-52, Complete Equipment.



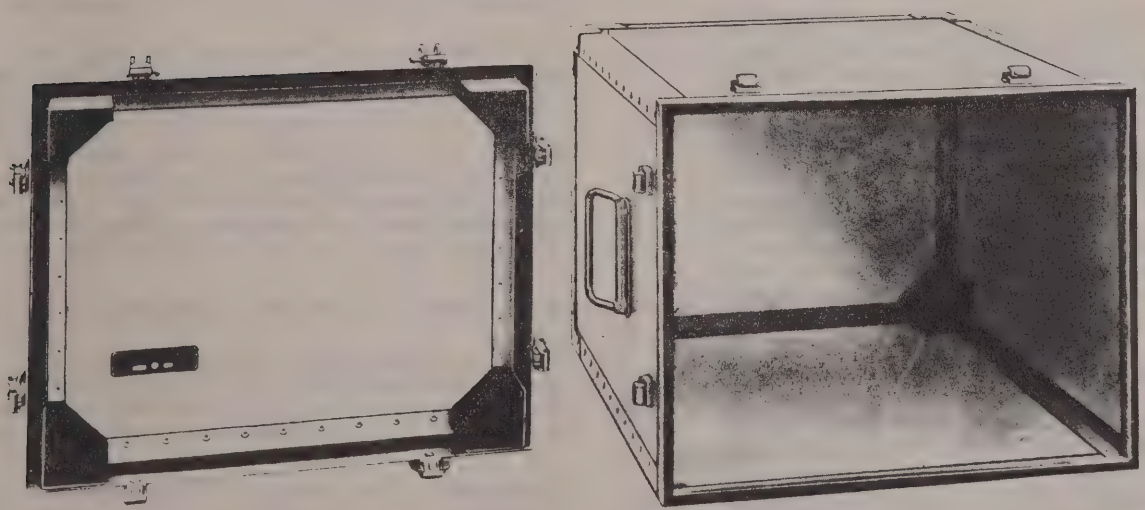
SIGNAL GENERATOR TS-621A/U
OR TS-621B/U

POWER CABLE
CX-3135/U(6'-0")

RF CABLE
CG-92D/U(6'-0")



VIDEO CORDS CG-409/U(8'-0")



TRANSIT CASE CY-2109/URM-52A

Figure 1A. Signal Generator AN/URM-52A, Complete Equipment.

SECTION I

INTRODUCTION

1. GENERAL.

a. The Illustrated Parts Breakdown lists and illustrates all of the procurable assemblies, sub-assemblies and component parts of the AN/URM-52 and AN/URM-52A Signal Generators as manufactured by the Hewlett-Packard Company of Palo Alto, California. It is divided into four principal sections as shown in the Table of Contents.

b. This breakdown is intended only for use in identifying, stocking and requisitioning of parts, and is not to be considered authority for assembly or disassembly sequence. For operation, service, maintenance and overhaul instructions, see the applicable handbooks.

c. The Group Assembly Parts List (Section II) consists of the complete signal generators divided into 19 main assemblies as shown in the Table of Contents. Each assembly listed is followed immediately by its component parts properly indented, thereunder, to show their relationship to the assembly. Component parts of the complete generator which are not included in any assembly, but which are used in conjunction with, attach, or attach to a certain assembly, are listed either preceding the first detail or following the last detail of that assembly, and in line with the major assembly.

d. The quantities listed in the "Units per Assy." column of the Group Assembly Parts List are, in the case of assemblies, the total quantity used per signal generator at the location indicated, while the component parts indented under the assemblies are the quantity used per assembly. The quantities specified, therefore, are not necessarily the total used per signal generator. Refer to the Numerical Index (Section III) for the total quantities used per signal generator.

e. Part numbers are used exclusively to identify parts.

f. The index numbers are numerically arranged in the Group Assembly Parts List and are used mainly to assist in locating a part in the Group Assembly Parts List after it has been found in the Numerical Index.

g. The Numerical Index (Section III) is compiled in accordance with the numerical part number filing system described below:

(1) Part number numerical arrangement starts on the left-hand column and continues from left to right, one column at a time, until part number numerical arrangement is determined.

(2) The order of precedence in part number numerical arrangement is as follows:

(1) Space (blank column).
(2) Dash (-).
(3) Letters A through Z.
(4) Numerals 0 through 9.

USABLE ON CODE - Part variations between the signal generators are indicated by a letter symbol immediately following the description in the "Usable on Code" column. An explanation of the letter symbols used is outlined below. In cases where the "Usable on Code" column has been left blank, parts listed apply to all articles covered by this book.

Usable on Code	Signal Generator
A	AN/URM-52 with TS621U
B	AN/URM352A with TS621A/U
C	AN/URM-52A with TS621B/U

SOURCE CODING - Source coding as applied to the numerical index has been assigned by Department representatives.

SOURCE CODE DEFINITIONS -

(a) CODE "P" - PARTS UNDER INVENTORY STOCK CONTROL

(1) CODE "P" is applied to parts which are procured in view of relatively high usage. Code "P" parts may be requisitioned and installed by any maintenance level, unless followed by the letter - "O", which restricts requisition and replacement to Depot (O&R) level only. Restricted service manufacture is considered practicable but only after an attempt has been made to procure from Supply Sources. In lieu of Procurement of "P" Coded parts, the Department may designate a Depot (O&R) level activity to manufacture supply requirements for the program.

(2) CODE "P1" is applied to parts which are very difficult or uneconomical to manufacture. Service manufacture is considered impracticable. Code P1 parts may be requisitioned and installed by any maintenance level, unless followed by the letter - "O" which restricts requisition and replacement to Depot (O&R) level only.

(b) CODE "M" MANUFACTURE, PARTS NOT PROCURED

(1) CODE "M" is applied to parts which are within the facilities of any activity to manufacture. Procurement and stocking are not justified in view of the relatively low usage, or storage and installation factors, of these parts. Needs are to be met by local manufacture as required.

(2) CODE "M1" is applied to parts which can be manufactured only by utilizing the facilities of the Depot (O&R) activity. Procurement and stocking of these parts are not justified in view of their relatively low usage and installation factors. The needs of all activities are to be met through salvage, or by Depot (O&R) level manufacture.

(c) CODE "A" ASSEMBLY - ASSEMBLY NOT PROCURED

(1) CODE "A" is applied to assemblies made up of two or more units each of which carry individual part numbers and description, and which may be assembled by any Maintenance level.

(2) CODE "A1" is applied to assemblies made up of two or more parts each of which carry individual part numbers and description, and which may be assembled only by activities having Depot (O&R) facilities.

(d) CODE "X" PARTS CONSIDERED IMPRACTICABLE FOR MANUFACTURE OR PROCUREMENT

(1) CODE "X" is applied to Main Structure Members or similar parts which, if required, would suggest extensive aircraft or equipment reconditioning. The need of a part, or parts, coded "X" (wing spar caps, center section structure) should normally result in a recommendation to retire the aircraft or equipment from Service.

(2) CODE "X1" is applied to parts for which procurement of the next larger assembly is justified; e.g., an integral detail part, such as welded segments, inseparable from its assembly; a part machined in a matched set; or a part of an assembly which, if required, would suggest extensive reconditioning of each assembly.

(3) CODE "X2" is applied to parts which are neither procured nor stocked. Activities requiring such parts shall attempt to obtain from salvage; if not obtainable from salvage, such parts shall be requisitioned through normal supply channels with supporting justification.

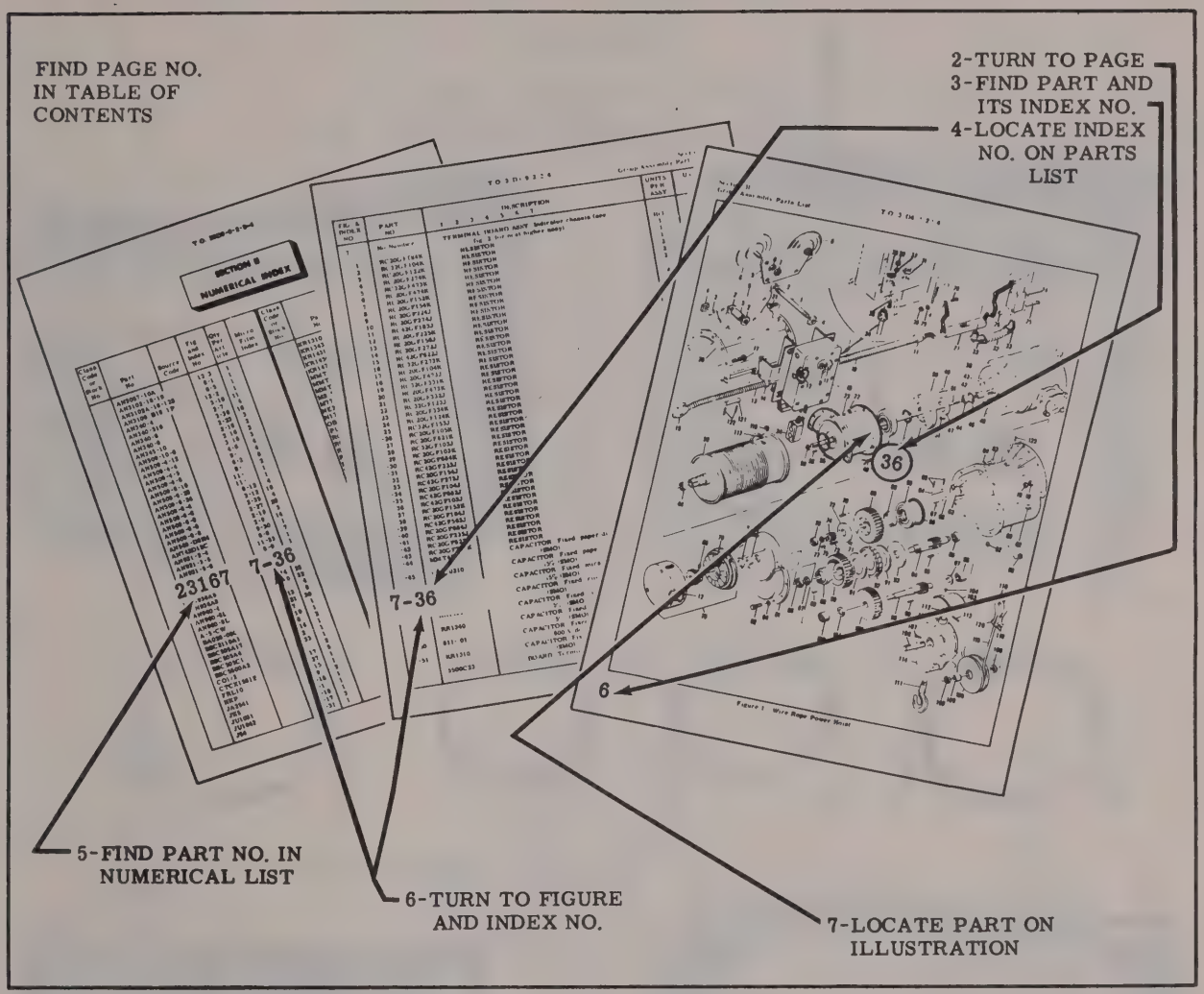
(e) CODE * PARTS NOT PROCURED, MANUFACTURED OR STOCKED

(1) CODE * applies to installation drawings, diagrams, instructions or field service drawings, basic drawing numbers which cannot be procured or manufactured, and obsolete parts.

VENDORS' CODE

CODE	VENDOR'S NAME AND ADDRESS
AB	Allen-Bradley Co. Milwaukee, Wisconsin
APM	Apco Mossberg Co. Attleboro, Massachusetts
ATV	Amperite Co. New York, New York
BGW	Boston Gear Works, Inc. North Quincy, Massachusetts
BUS	Bussman Mfg. Co., St. Louis, Missouri
CHT	Chicago Transformer Corp. Chicago, Illinois
CIN	Cinch Manufacturing Co. Chicago, Illinois
DLC	Dial Light Co. of America, Inc. New York, New York
EDI	Thomas A. Edison, Inc. West Orange, New Jersey
FAF	The Fafnir Bearing Co. New Britain, Connecticut
GE	General Electric Co. Cleveland, Ohio
GLI	Globe Industries, Inc. Dayton, Ohio
HAW	Hubbell Harvey, Inc. Bridgeport, Connecticut
JNS	Howard B. Jones Co. Chicago, Illinois
LTF	Littlefuse, Inc. Chicago, Illinois
	Palo Alto Engineering Co. Palo Alto, California
PTN	Patton-MacGuyer Co. Providence, Rhode Island
SPR	Sprague Electric Co. North Adams, Massachusetts
TIN	Tinnerman Products, Inc. Cleveland, Ohio
VYE	Victory Engineering Mfg. Co. Millvale, Pa.
WE	Western Electric Co., Inc. New York, New York
WKI	Waldes-Kohinoor, Inc. Long Island City, New York

HOW TO USE THIS ILLUSTRATED PARTS BREAKDOWN



HOW TO FIND THE PART NUMBER IF THE ASSEMBLY IN THE EQUIPMENT IS KNOWN:

(1) Turn to the Table of Contents and find the page number for the Major Assembly in which the part is used.

(2) Turn to the page determined in step (1).

(3) Locate the part and its index number on the illustration.

(4) Find the index number on the Group Assembly Parts List page to determine the complete description.

HOW TO FIND THE ILLUSTRATION FOR A PART IF THE PART NUMBER IS KNOWN:

(5) Refer to Section III, the Numerical Index, and find the part number.

(6) Turn to Section II and find the first figure and index number indicated in the Numerical Index for that part. If this figure shows the part in an assembly other than the one desired, refer to the other figure numbers listed in the Numerical Index.

(7) On the face of the illustration, find the index number determined in step (6).

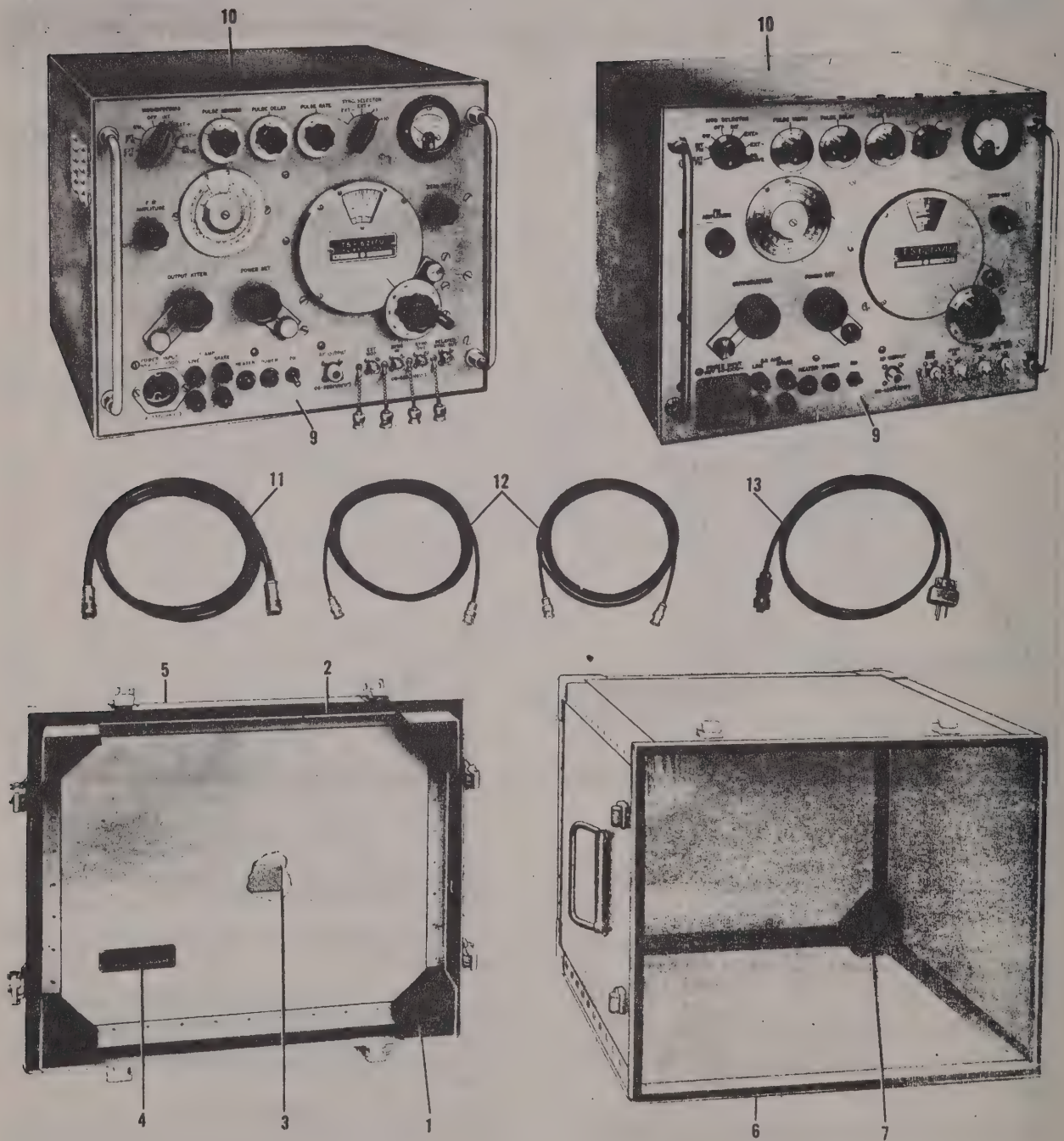


Figure 2. Instrument and Transit Case Assembly

SECTION II

GROUP ASSEMBLY PARTS LIST

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
2-	AN/URM-52	INSTRUMENT & TRANSIT CASE ASSY, Signal Generator TS-621/U	1	A
	AN/URM-52A	INSTRUMENT & TRANSIT CASE ASSY, Signal Generator TS-621A/U or TS-621B/U	1	BC
	CY-1294/U	. CASE ASSY, Transit	1	A
	CY-2109/URM-52A	. CASE ASSY, Transit	1	BC
	618B-E-104	. . COVER ASSY, Transit Case	1	
-1	5M-L-848	. . . BUMPER, Transit case cover	4	
-2	5M-E-519	. . . GASKET, Transit case cover	1	
-3	618B-M-730	. . . NAMEPLATE, AN/URM-52, Equipment	1	A
	618B-M-730A	. . . NAMEPLATE, AN/URM-52A, Equipment	1	BC
-4	618B-M-702	. . . NAMEPLATE, Transit Case CY-1294/U	1	A
	618B-M-702A	. . . NAMEPLATE, Transit Case CY-2109/URM-52A	1	BC
		(ATTACHING PARTS)		
	COMM	. . . . SCREW, Wood, rd hd, brass, Cd pl, No. 4 by 1/4 in. lg	6	
		---*---		
	618B-E-119	. . CASE ASSY, Transit case	1	
-5	618B-E-104	. . . COVER, Transit case	NP	
-6	5M-S-533	. . . GASKET, Transit case channel	1	
-7	5M-L-849	. . . BUMPER, Transit case	4	
-8	618B-E-103	. . . CASE, Transit case	NP	
	TS-621/U	. SIGNAL GENERATOR	1	A
	TS-621A/U	. SIGNAL GENERATOR	1	B
	TS-621B/U	. SIGNAL GENERATOR	1	C
-9	618B-E-106	. . PANEL, POWER DECK & PULSER DECK ASSEMBLY (See figure 3)	1	
		(ATTACHING PARTS)		
	5100-25	. . RING, Retaining (WKI)	4	
	618B-S-332	. . SCREW, Captive	4	
		---*---		
	618B-E-117	. . CABINET ASSY, Signal Generator	1	
-10	*618B-E-117	. . . CABINET	NP	
-11	CG-92D/U(6'0")	. CABLE ASSY, RF (See figure 20)	1	
-12	CG-409/U(8'0")	. CABLE ASSY, Video cord (See figure 20)	2	
-13	CX-337/U(6'0")	. CABLE ASSY, Power (See figure 20)	1	A
	CX-3135/U(6'0")	. CABLE ASSY, Power (See figure 20)	1	BC

*Not procurable as a separate part

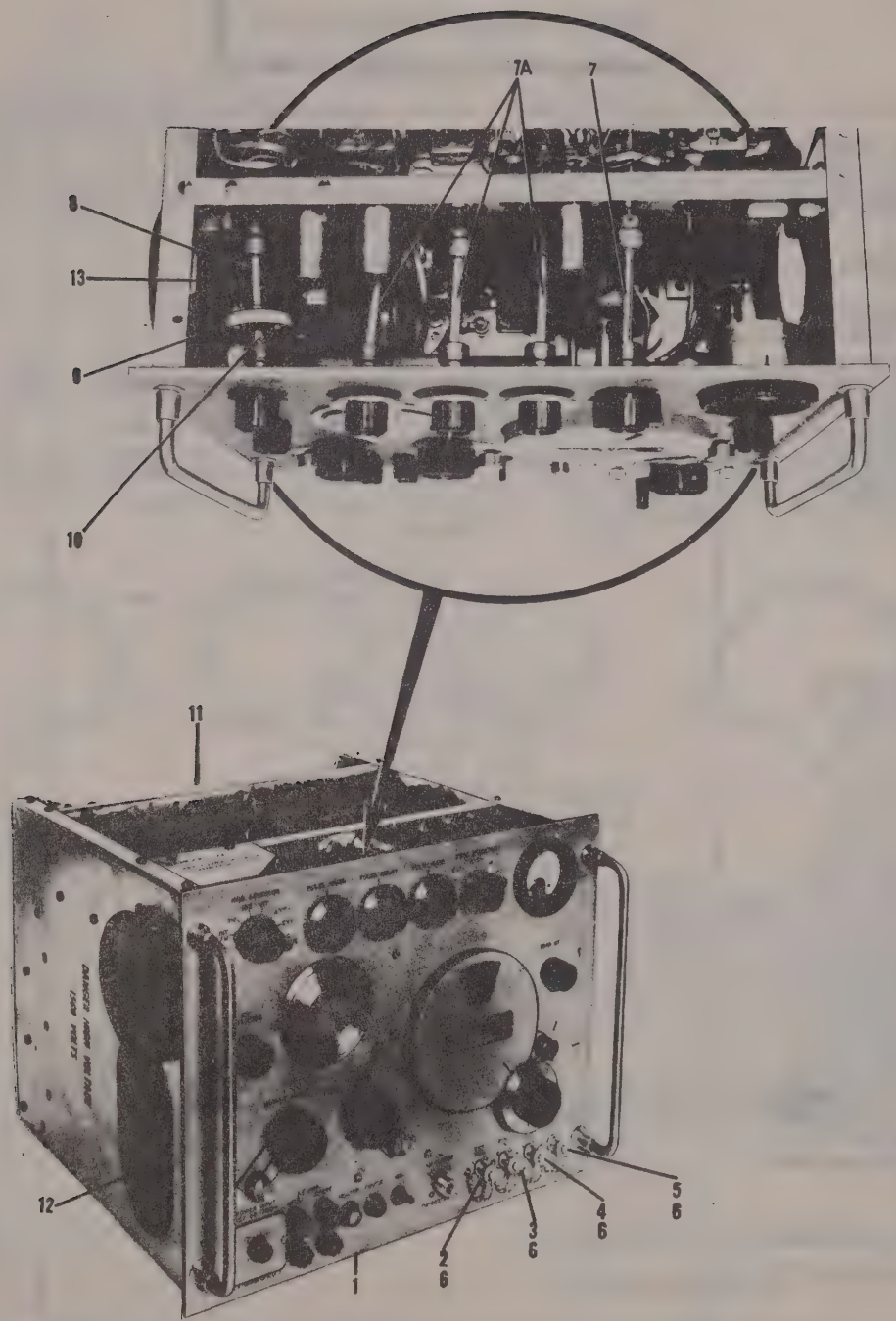


Figure 3. Panel, Power Deck and Pulser Deck Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
3-	618B-E-106	PANEL, POWER DECK & PULSER DECK ASSEMBLY (See figure 2-9 for next higher assembly) .	Ref	
-1	618B-E-107	. PANEL ASSEMBLY (See figures 4 and 5) . .	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Flat hd mach, stainless steel, No. 10-24 by 1/2 in. lg	8	
		---*---		
-2	618B-L-416-1	. CABLE ASSY, "EXT. MOD." coaxial . . .	1	
	UG-291/U	. . CONNECTOR	1	
	RG-58/U	. . CABLE, Coaxial, 18-3/4 in. lg . . .	1	
-3	618B-L-416-2	. CABLE ASSY, "SYNC IN" coaxial . . .	1	
	UG-291/U	. . CONNECTOR	1	
	RG-58/U	. . CABLE, Coaxial, 22 in. lg	1	
-4	618B-L-416-3	. CABLE ASSY, "SYNC OUT" coaxial . . .	1	
	UG-291/U	. . CONNECTOR	1	
	RG-58/U	. . CABLE, Coaxial, 17-1/4 in. lg . . .	1	
-5	618B-L-416-4	. CABLE ASSY, "DELAYED SYNC OUT" coaxial .	1	
	UG-291/U	. . CONNECTOR	1	
	RG-58/U	. . CABLE, Coaxial, 15-1/2 in. lg . . .	1	
-6	CW-123/U	. CAP & CHAIN ASSEMBLY	4	
		(ATTACHING PARTS)		
	COMM	. SCREW, Fil hd mach, stainless steel, No. 3-56 by 3/8 in. lg	20	
		---*---		
-7	618B-S-727	. SHAFT, Coupling	1	
-7A	56M-M-108-1	. SHAFT, Coupling	3	C
	618B-S-727	. SHAFT, Coupling	3	AB
	56M-M-108-1	. SHAFT, Coupling (for spare parts replacement) .	AR	
-8	618B-S-728-2	. SHAFT, Coupling	1	
-9	618B-S-715	. COUPLER, Insulated	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Socket hd set, steel, Cd pl, No. 8-32 by 3/16 in. lg	4	
		---*---		
-10	618B-S-728-1	. SHAFT, Coupling	1	
-11	618B-E-111	. PULSER ASSEMBLY (See figure 11) . . .	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 8-32 by 1/2 in. lg	8	
	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 8	8	
		---*---		
-12	618B-E-109	. DECK ASSY, Power (See figure 16 and 17) . .	1	
-13	LA-139A	. SUPPRESSOR, Electrical noise (Spr) . . .	1	

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
4-	618B-E-107	PANEL ASSEMBLY (See figure 3-1 for next higher assembly)	Ref	
-1	618B-M-114	. ATTENUATOR ASSEMBLY (See figure 6) . . .	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Fil hd mach, stainless steel, No. 4-40 by 3/8 in. lg	4	
-2	618B-L-407	. BOARD ASSY, Resistor, "G" (See figure 7) . .	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 3/8 in. lg	4	
	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 6	4	
		---*---		
-3	CP70E1FH254K	. CAPACITOR, Fixed, paper, 250,000 mmf ± 10% .	1	
		(ATTACHING PARTS)		
	CP07FA2	. BRACKET, Capacitor mtg	2	
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 3/8 in. lg	2	
	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 6	2	
		---*---		
-4	618B-E-112	. CONTROL ASSY, Frequency (See figure 8) . .	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 8-32 by 5/8 in. lg	5	
	COMM	. SCREW, Hex hd cap, steel, Cd pl, No. 8-32 by 1/2 in. lg	1	
	COMM	. SCREW, Flat hd mach, stainless steel, No. 10-24 by 1/2 in. lg	6	
	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 8	3	
	618B-S-321	. SUPPORT, Casting bracket left	1	
		---*---		
-5	7-164-3/4W	. BOARD, Terminal (JNS) fungus treated per JAN-T-152	1	
-6	2-142-3/4W	. BOARD, Terminal (JNS) fungus treated per JAN-T-152	1	
-7	618B-S-315	. STRIP, Terminal board insulator	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 5/8 in. lg	4	
	COMM	. WASHER, Split type lock, stainless steel, No. 6 .	4	
		---*---		
-8	618B-L-414	. CABLE ASSY, Panel	1	
-9	54M-S-103	. NUT, Gland	1	
-10	COMM	. WASHER, Brs, Cd pl, 5/16 ID by 7/16 OD by 0.020 in. thk	2	
-11	COMM	. WASHER, Amber gum rubber, 5/16 ID by 7/16 OD by 1/4 in. lg	1	
-12	618B-S-3053	. COVER, Socket housing	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 4-40 by 1/4 in. lg	3	
	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 4	3	
		---*---		

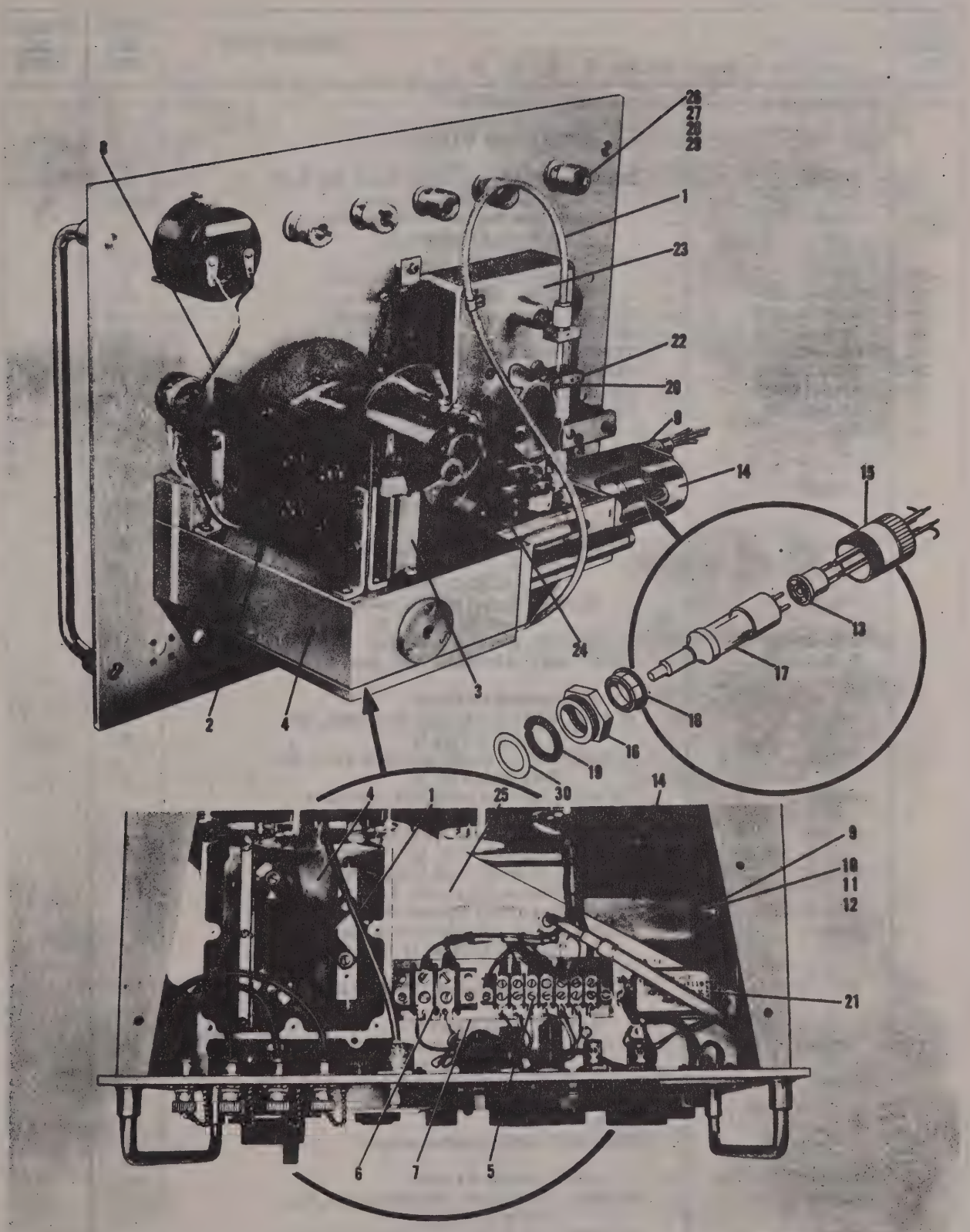


Figure 4. Panel Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
4-	618B-L-116	SOCKET ASSEMBLY		
		(ATTACHING PARTS)		
	COMM	SCREW, Hex hd cap, steel, Cd pl, No. 8-32 by 1/2 in. lg	4	
	COMM	WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 8	4	
		---*---		
-13	78S4S	SOCKET AMP TUBE (Klystron)	1	
-14	*618B-L-116	HOUSING, Socket	NP	
-15	618B-S-3017	SHIELD, Tube	1	
-16	618B-S-3016	NUT, Tube	1	
-17	JAN-5721	TUBE, Electron	1	
-18	618B-S-3015	CONTACT, Tube	1	
-19	618B-S-3019	SPRING, Tube	1	
	618B-S-115	PROBE ASSEMBLY, Power monitoring	1	
-20	4029	LUG, Terminal (PTN)	2	
		(ATTACHING PARTS)		
	COMM	SCREW, Rd hd mach, stainless steel, No. 2-56 by 3/16 in. lg	2	
		---*---		
-21	LA-204A	SUPPRESSOR, Electrical Noise, (Spr)	1	
		(ATTACHING PARTS)		
	COMM	SCREW, Socket hd set, steel, Cd pl, No. 4-40 by 1/8 in. lg	1	
-22	*618B-S-115	PROBE, Power monitoring	1	
-23	618B-L-113	DRIVE ASSY, Attenuator (See figure 9)	1	
		(ATTACHING PARTS)		
	COMM	SCREW, Rd hd mach, stainless steel, No. 8-32 by 5/8 in. lg	3	
	COMM	SCREW, Flat hd mach, stainless steel, No. 8-32 by 1/2 in. lg	2	
	COMM	WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 8	3	
	COMM	SCREW, Rd hd mach, stainless steel, No. 6-32 by 1/4 in. lg	2	
	COMM	WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 6	2	
	618B-S-320	SUPPORT, Casting bracket right	1	
	COMM	SCREW, Rd hd mach, stainless steel, No. 2-56 by 3/16 in. lg	2	
		---*---		
-24	618B-M-408	BOARD ASSY, Resistor, "H" (See figure 10)	1	
		(ATTACHING PARTS)		
	COMM	SCREW, Rd hd mach, stainless steel, No. 6-32 by 5/8 in. lg	3	
	COMM	WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 6	3	
		---*---		
-25	618B-L-309	BRACKET ASSY, Casting support	1	
		(ATTACHING PARTS)		
	COMM	SCREW, Rd hd mach, stainless steel, No. 8-32 by 5/8 in. lg	3	
	COMM	WASHER, Ext teeth lock, phosphor bronze, Cd pl, No. 8	3	

*Not procurable as a separate part

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
4-	COMM	NUT, Hex, stainless steel, No. 8-32	3	
		---*---		
-26	56M-M-101-1	SHAFT, 1-3/16 in. lg	5	
-27	54M-S-107	WASHER, Compression	5	
-28	50M-S-216	HEAD, Coupler	5	
		(ATTACHING PARTS)		
	COMM	SCREW, Socket hd mach, steel, Cd pl, No. 8-32 by 3/16 in. lg	10	
		---*---		
-29	50M-S-290	BEARING, Panel with nut	5	
	RW21G801	RESISTOR, Fixed, wire wound, 800 ohm ± 5%, 22w	1	
		(ATTACHING PARTS)		
	COMM	SCREW, Rd hd mach, stainless steel, No. 6-32 by 1 in. lg	2	
	COMM	WASHER, Ext teeth lock, phosphor bronze, Cd pl, No. 6	2	
	COMM	NUT, Hex, stainless steel, No. 6-32	2	
		---*---		
-30	618B-S-3130	RING, Klystron seating	1	

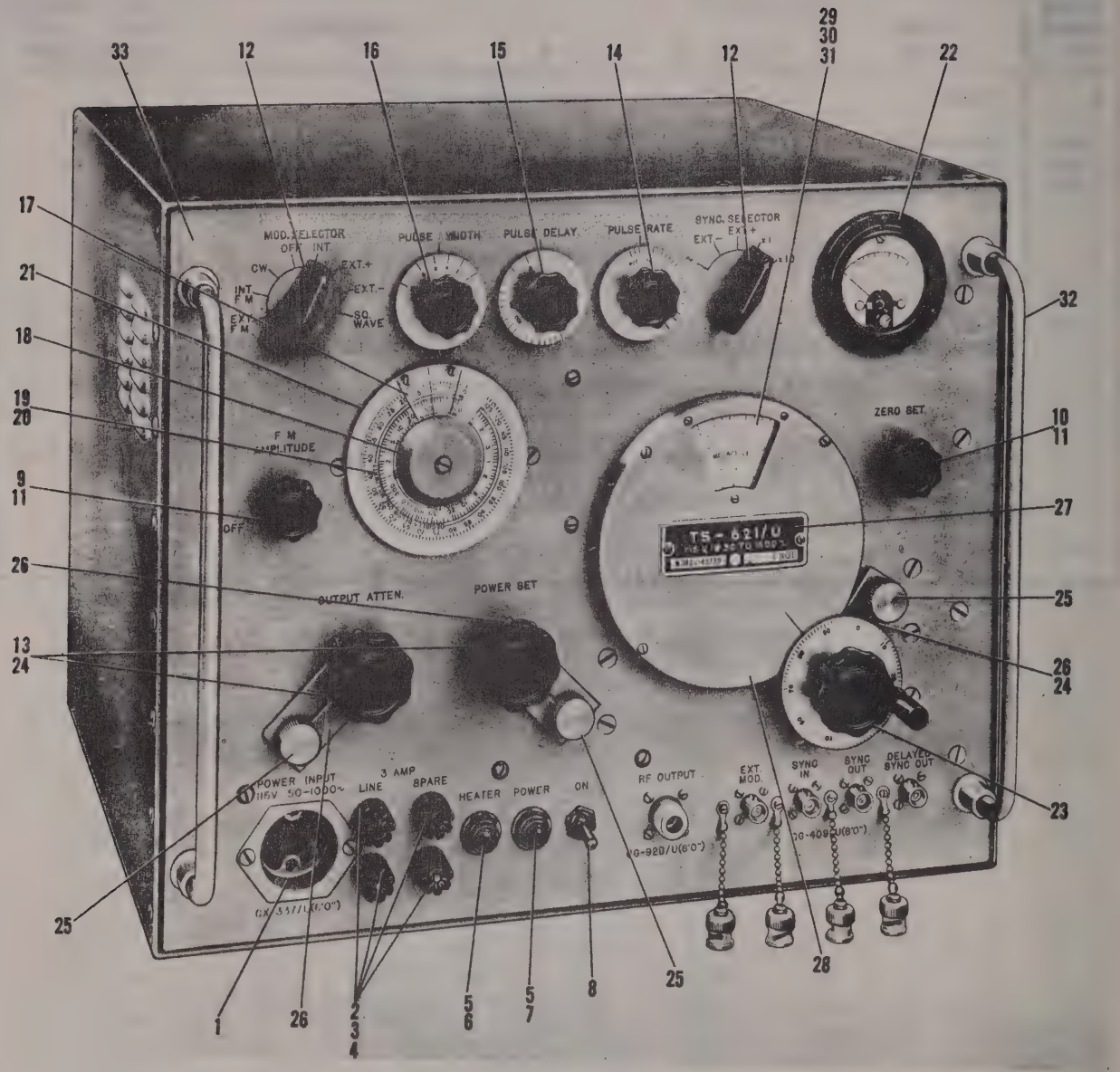


Figure 5. Panel Assembly, Signal Generator TS-621/U

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
5-	No Number	PANEL ASSY, Front	1	A
-1	4891	. CONNECTOR, Power (HAW)	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Binding hd mach, brs, Cd pl, No. 6-32 by 1/4 in. lg	2	
	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 6	2	
		---*---		
-2	MDL 3.2	. FUSE, Cartridge, 3.2 amp (BUSS part No. MDL 3.2) .	4	
-3	342003-SA-1	. BODY, Extractor post fuse holder (LTF) . . .	4	
-4	342003-SA-2	. CAP, Extractor post fuse holder (LTF) . . .	4	
-5	47	. LAMP, Incandescent pilot (GE)	2	

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
5-6	BA8-5344, Clear	. LIGHT, Indicator, clear lens (DLC)	1	
-7	BA8-5344, Red	. LIGHT, Indicator, red lens (DLC)	1	
-8	82305-B	. SWITCH, Toggle (Arrow-Hart & Hegeman)	1	
-9	JA1052,P3056	. RESISTOR, Variable, composition, 1 meg ± 20% (AB)	1	
-10	JU1021,P3056	. RESISTOR, Variable, composition, 1000 ohm ± 10% (AB)	1	
-11	5M-S-565	. KNOB, Bakelite	2	
-12	214	. KNOB, Bar (Dimco-Gray Co.)	2	
		(ATTACHING PARTS)		
	COMM	. SCREW, Allen socket hd set, steel, Cd pl, No. 10-32 by 3/16 in. lg	8	
		---*---		
-13	5M-S-564	. KNOB, Bakelite	2	
-14	618B-S-3034-1	. DIAL ASSY, Pulse rate	1	
-15	618B-S-3034-2	. DIAL ASSY, Pulse delay	1	
-16	618B-S-3034-3	. DIAL ASSY, Pulse width	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Allen socket hd set, steel, Cd pl, No. 8-32 by 3/16 in. lg	10	
		---*---		
-17	54M-S-228	. WINDOW, Power set dial	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 2-56 by 1/4 in. lg	2	
	618B-S-3044	. SPACER, Power set window	2	
		---*---		
-18	50M-S-212	. COVER, Attenuator dial	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Binding hd, brs, Cd pl, No. 8-32 by 3/8 in. lg	1	
	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 8	1	
		---*---		
-19	618B-S-3032	. HUB, Attenuator dial	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Allen socket hd set, steel, Cd pl, No. 8-32 by 3/16 in. lg	2	
	COMM	. SCREW, Flat hd mach, stainless steel, No. 4-40 by 1/4 in. lg	3	
		---*---		
-20	618B-S-3031	. DIAL, Attenuator	1	
-21	618B-S-3033	. DIAL, Power Set	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Flat hd mach, stainless steel, No. 4-40 by 1/4 in. lg	3	
		---*---		
-22	50M-L-224	. METER, Power level, with mtg hardware	1	
-23	618B-M-3038	. DIAL ASSY, Vernier	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Allen socket hd set, steel, Cd pl, No. 10-32 by 3/16 in. lg	2	
		---*---		

FIG. & INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
5-24	616A-S-349	HUB, Lock	3	
		(ATTACHING PARTS)		
	COMM	SCREW, Allen socket hd set, steel, Cd pl, No. 8-32 by 1/8 in. lg	6	
		---*---		
-25	616A-S-347	SCREW, Lock	3	
-26	616A-S-348	PLATE, Lock	3	
-27	618B-M-701	NAMEPLATE, Instrument	1	
		(ATTACHING PARTS)		
	COMM	SCREW, Rd hd mach, stainless steel, No. 2-56 by 1/8 in. lg	2	
		---*---		
-28	618B-M-3030	COVER, Frequency dial	1	
		(ATTACHING PARTS)		
	COMM	SCREW, Rd hd mach, stainless steel, No. 4-40 by 3/4 in. lg	4	
		---*---		
-29	616A-S-3082	WINDOW, Frequency dial	1	
		(ATTACHING PARTS)		
	COMM	SCREW, Rd hd mach, stainless steel, No. 2-56 by 1/8 in. lg	3	
		---*---		
-30	616A-S-3085	HUB, Frequency dial	1	
		(ATTACHING PARTS)		
	COMM	SCREW, Allen socket hd set, steel, Cd pl, No. 8-32 by 3/16 in. lg	2	
	COMM	SCREW, Flat hd mach, stainless steel, No. 6-32 by 1/4 in. lg	4	
		---*---		
-31	618B-S-3029	DIAL, Frequency	1	
-32	618B-S-3018	HANDLE	2	
		(ATTACHING PARTS)		
	COMM	SCREW, Truss hd mach, stainless steel, No. 10-24 by 1/2 in. lg	4	
	COMM	WASHER, Internal teeth lock, steel, Cd pl, No. 10	4	
	616A-S-355	WASHER, Handle	4	
		---*---		
-33	618B-E-305	PANEL	1	

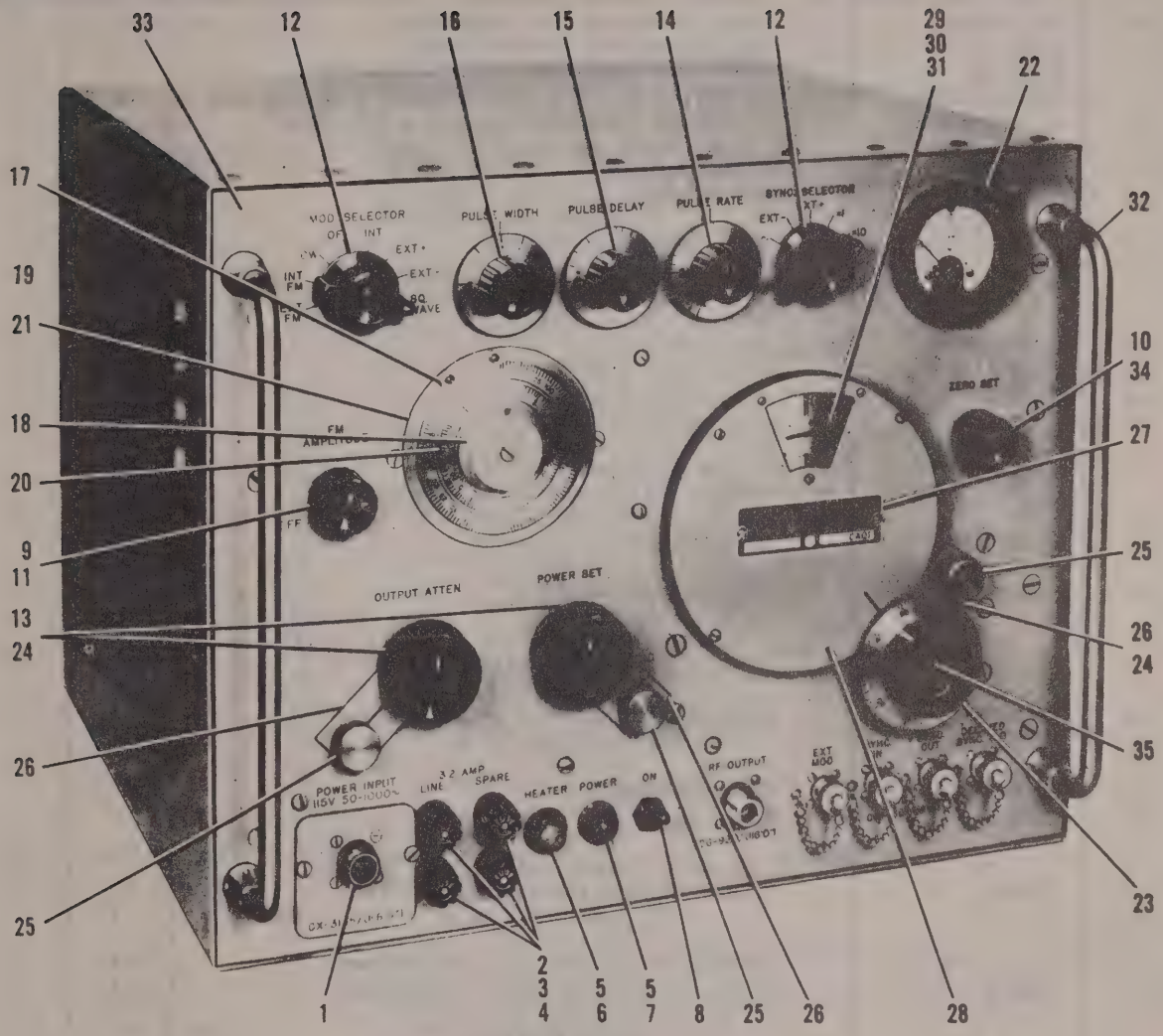


Figure 5A. Panel Assembly, Signal Generator TS-621A/U and TS-621B/U

FIG.& INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
5A-	No Number	PANEL ASSY, Front	1	BC
-1	AN3102A-10SL-3P	. CONNECTOR, Power	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Binding hd mach, brass, Cd pl, No. 6-32 by 1/4 in. lg	4	
	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 6	4	
		---*---		
-2	MDL 3.2	. FUSE, Cartridge, 3.2 amp (BUSS)	4	
-3	342003-SA-1	. BODY, Extractor post fuseholder (LTF) . . .	4	
-4	342003-SA-2	. CAP, Extractor post fuseholder (LTF) . . .	4	
-5	47	. LAMP, Incandescent pilot (GE)	2	

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
5A-6	81410-137	LIGHT, Indicator, clear lens (DLC)	1	
-7	81410-131	LIGHT, Indicator, red lens (DLC)	1	
-8	82305-B	SWITCH, Toggle (Arrow-Hart & Hegeman)	1	
-9	JA1052,P3056	RESISTOR, Variable, composition, 1 meg ±20% (AB)	1	
-10	JU1021,P3056	RESISTOR, Variable, composition, 1000 ohm, ±10% (AB)	1	
-11	54M-S-374	KNOB, Bakelite	1	
-12	54M-S-380	KNOB, Round	1	
		(ATTACHING PARTS)		
	COMM	SCREW, Allen socket hd set, steel, Cd pl, No. 10-32 by 3/16 in. lg	8	
		---*---		
-13	54M-S-383	KNOB, Bakelite	2	
-14	618B-S-3034-1	DIAL ASSY, Pulse rate	1	
-15	618B-S-3034-2	DIAL ASSY, Pulse delay	1	
-16	618B-S-3034-3	DIAL ASSY, Pulse width	1	
		(ATTACHING PARTS)		
	COMM	SCREW, Rd hd mach, stainless steel, No. 2-56 by 1/4 in. lg	2	
	618B-S-3044	SPACER, Power set window	2	
		---*---		
-18	50M-S-212	COVER, Attenuator dial	1	
		(ATTACHING PARTS)		
	COMM	SCREW, Binding hd, brs, Cd pl, No. 8-32 by 3/8 in. lg	1	
-19	COMM	WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 8	1	
		---*---		
-20	618B-S-3031	DIAL, Attenuator	1	
-21	618B-S-3033	DIAL, Power Set	1	
		(ATTACHING PARTS)		
	COMM	SCREW, Flat hd mach, stainless steel, No. 4-40 by 1/4 in. lg	3	
		---*---		
-22	50M-L-224	METER, Power level, with mtg hardware	1	
-23	618B-S-3133	DIAL ASSY, Vernier (less crank handle)	1	
		(ATTACHING PARTS)		
	COMM	SCREW, Allen socket hd set, steel, Cd pl, No. 10-32 by 3/16 in. lg	2	
		---*---		

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
5A-24	616A-S-349	. HUB, Lock	3	
		(ATTACHING PARTS)		
	COMM	. SCREW, Allen socket hd set, steel, Cd pl, No. 8-32 by 1/8 in. lg	6	
		---*---		
-25	616A-S-347	. SCREW, Lock	3	
-26	616A-S-348	. PLATE, Lock	3	
-27	618B-M-701	. NAMEPLATE, Instrument	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 2-56 by 1/8 in. lg	2	
		---*---		
-28	618B-M-3030	. COVER, Frequency dial	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 4-40 by 3/4 in. lg	4	
		---*---		
-29	616A-S-3082	. WINDOW, Frequency dial	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 2-56 by 1/8 in. lg	3	
		---*---		
-30	54M-S-295	. HUB, Frequency dial	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Allen socket hd set, steel, Cd pl, No. 8-32 by 3/16 in. lg	2	
	COMM	. SCREW, Flat hd mach, stainless steel, No. 6-32 by 1/4 in. lg	4	
		---*---		
-31	618B-S-3029	. DIAL, Frequency	1	
-32	618B-S-3018	. HANDLE	2	
		(ATTACHING PARTS)		
	COMM	. SCREW, Truss hd mach, stainless steel, No. 10-24 by 1/2 in. lg	4	
	COMM	. WASHER, Internal teeth lock, steel, Cd pl, No. 10	4	
	616A-S-355	. WASHER, Handle	4	
		---*---		
-33	618B-E-305	. PANEL	1	
-34	54M-S-373	. KNOB, Bakelite	1	
-35	54M-S-396	. KNOB, Crank handle	1	

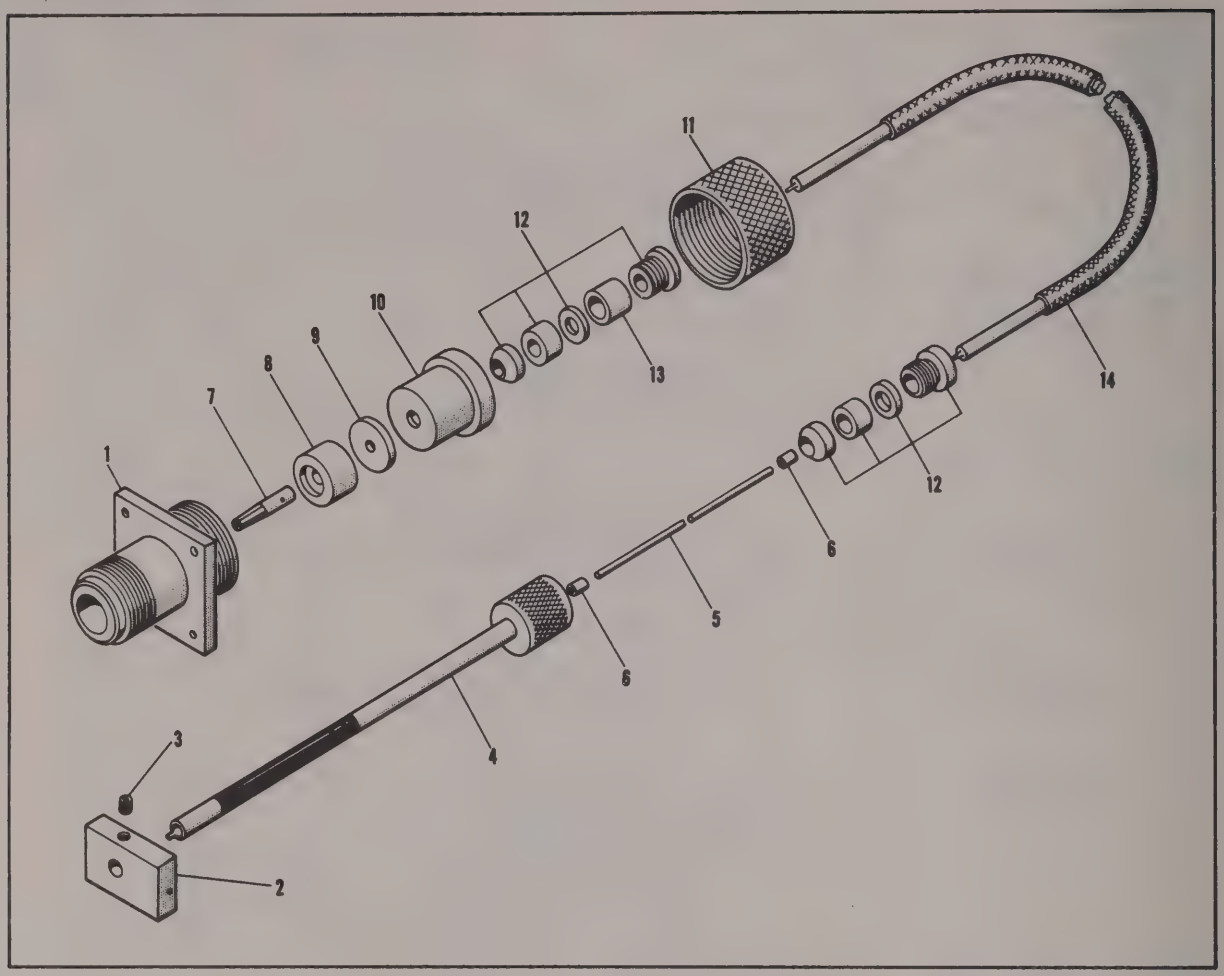


Figure 6. Attenuator Assembly

FIG. & INDEX No.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
6	618B-M-114	ATTENUATOR ASSEMBLY (See figure 4-1 for next higher assembly)	Ref	
-1	54M-S-200	. JACK ASSY, Panel	1	
-2	618B-S-3026	. STOP, Attenuator	1	
		(ATTACHING PARTS)		
-3	COMM	. SCREW, Socket hd set, steel, Cd pl, No. 4-40 by 1/8 in. lg	1	
		---*---		
-4	618B-S-3023	. BODY ASSY, Attenuator	1	
-5	618B-S-3028	. RESISTOR, Attenuator	1	
-6	618B-S-3027	. SLEEVE, Attenuator	1	
-7	50M-S-131	. PIN, Panel Jack	1	
-8	54M-S-203-A	. BEAD, "A"	1	
-9	54M-S-204	. BEAD, "B"	1	
-10	54M-S-202	. BUSHING	1	
-11	54M-S-207	. NUT, Connector	1	
-12	38-87	. KIT, Connector parts	2	
-13	54M-S-205	. SPACER	1	
-14	RG-55U	. CABLE, RF, 28 in. lg	1	

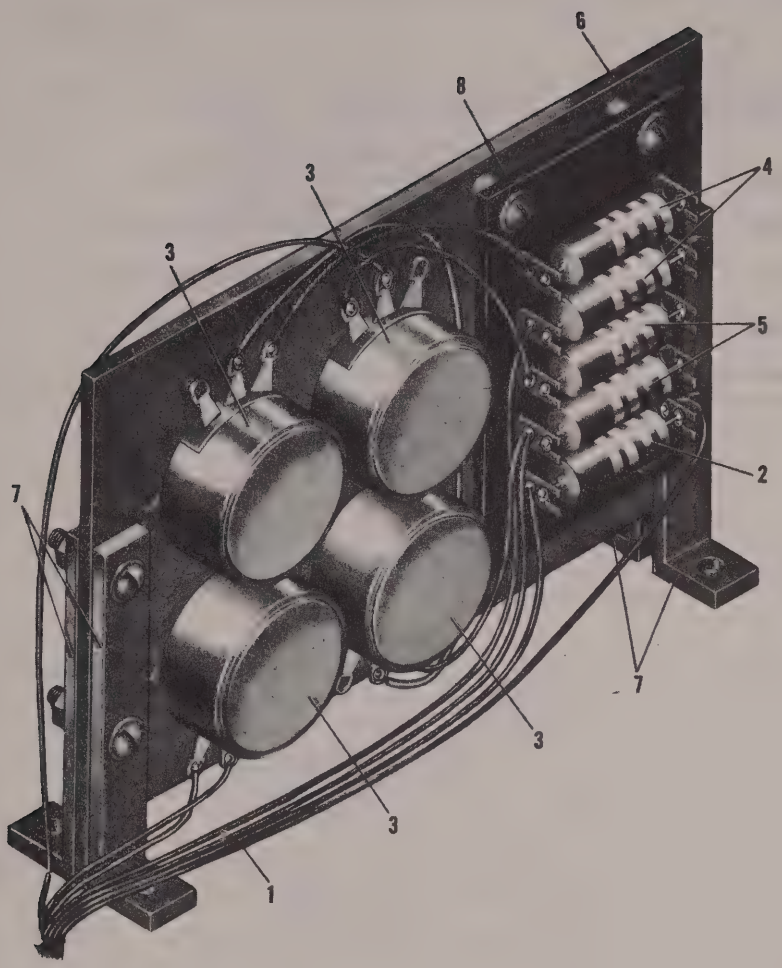


Figure 7. Resistor Board "G" Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
7	618B-L-407	BOARD ASSY, Resistor, "G" (See figure 4-2 for next higher assembly)	Ref	
-1	618B-E-413	. CABLE ASSY, Panel	1	
-2	RC30GF104K	. RESISTOR, Fixed, composition, 100k ± 10%, 1 w	1	
-3	JLU5031,SD4040L	. RESISTOR, Variable, composition, 50k ± 10%, 2 w (AB)	4	
-4	RC42GF682K	. RESISTOR, Fixed, composition, 6800 ohms ± 10%, 2 w	2	
-5	RC42GF472K	. RESISTOR, Fixed, composition, 4700 ohms ± 10%, 2 w	2	
-6	618B-S-722	. BOARD, Resistor mtg	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 5/8 in. lg	4	
	5M-S-529-3/16	. SPACER, 3/16 in. lg	4	
	COMM	. WASHER, Split type lock, stainless steel, No. 6	4	
	COMM	. NUT, Hex, stainless steel, No. 6-32	4	
		---*---		

FIG. & INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
7-7	618B-S-3012	. BRACKET, Resistor board mtg	4	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 5/8 in. lg	4	
	COMM	. WASHER, Internal teeth lock, stainless steel, No. 6	4	
	COMM	. WASHER, Ext teeth lock, stainless steel, No. 6	4	
	COMM	. NUT, Hex, stainless steel, No. 6-32	4	
		---*---		
-8	618B-S-319	. BOARD, Resistor insulator	1	

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
8	618B-E-112	CONTROL ASSY, Frequency (See figure 4-4 for next higher assembly)	Ref	
-1	618B-L-355	. COVER, Casting	1	
		(ATTACHING PARTS)		
-2	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 1/2 in. lg	8	
-3	COMM	. WASHER, Internal teeth lock, phospor bronze, Cd pl, No. 6	8	
		---*---		
-4	50M-S-149	. SPRING	4	
		(ATTACHING PARTS)		
-5	COMM	. SCREW, Rd hd mach, stainless steel, No. 4-40 by 3/8 in. lg	4	
		---*---		
-6	5M-S-397	. COLLAR, Shaft	2	A
	54M-S-304	. COLLAR, Shaft	2	BC
		(ATTACHING PARTS)		
-7	COMM	. SCREW, Allen hd set, steel, Cd pl, No. 8-32 by 3/16 in. lg	4	
		---*---		
-8	618B-S-3092	. GEAR, Variable resistor loading (altered from BGW part No. G114) . . .	1	
-9	618B-S-370	. GEAR ASSY, Variable resistor drive . . .	1	
		(ATTACHING PARTS)		
-10	COMM	. SCREW, Allen hd set, steel, Cd pl, No. 8-32 by 1/4 in. lg	2	
		---*---		
-11	618B-S-3091	. GEAR ASSY, Frequency compound . . .	1	
-12	618B-S-366	. GEAR, Frequency loading (Altered from BGW part No. G113)	1	
-13	COMM	. WASHER, Flat, brs, Cd pl, 1/4 ID by 3/8 OD by 1/32 in. thick	AR	
-14	56M-M-102-13	. SHAFT	1	
-15	618B-S-364	. GEAR ASSY, Frequency control drive . . .	1	A
-15A	618B-S-3129	. GEAR ASSY, Frequency control drive . . .	1	BC
		(ATTACHING PARTS)		
-16	COMM	. SCREW, Allen hd set, steel, Cd pl, No. 10-32 by 5/16 in. lg	2	
		---*---		
-17	50M-S-242	. RESISTOR, Variable	1	
		(ATTACHING PARTS)		
-18	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 7/8 in. lg	3	
-19	COMM	. WASHER, Split type lock, stainless steel, No. 6 .	3	
-20	5M-S-529-3/8	. SPACER, Variable resistor, brass tubing, 1/4 in. OD, 0.180 in. ID, 3/8 in. lg. Individual lengths of either spaces, 20 or 80, may vary but the total length of the two spaces must be 1-9/16 in. lg excluding mounting ring and washers	3	
-21	618B-S-3088	. COUPLER, Rigid	1	A
	54M-S-140	. COUPLER, Rigid	1	BC
-22	COMM			
		(ATTACHING PARTS)		
-22	COMM	. SCREW, Allen socket hd set, steel, Cd pl, No. 8-32 by 3/16 in. lg	1	
-23	COMM	. SCREW, Allen socket hd set, steel, Cd pl, No. 8-32 by 1/8 in. lg	1	
		---*---		

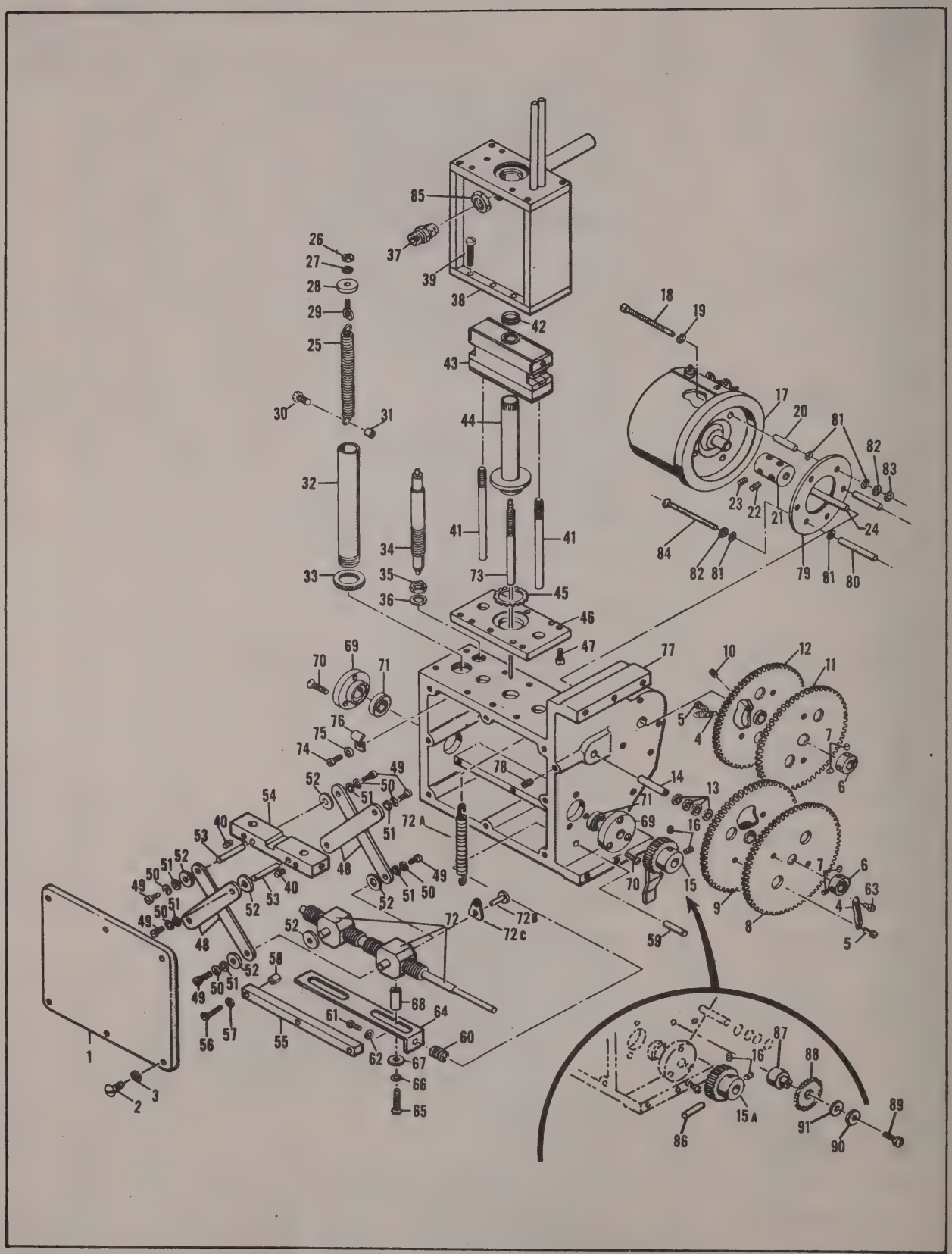


Figure 8. Frequency Control Assembly

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
8-24	56M-M-102-31	. SHAFT	1	
-25	618B-S-362	. SPRING, Frequency control	2	
		(ATTACHING PARTS)		
-26	COMM	. NUT, Hex, stainless steel, No. 6-32	2	
-27	COMM	. WASHER, Ext teeth lock, phosphor bronze, Cd pl, No. 6	2	
-28	618B-S-3003	. END, Spring shield	2	
-29	COMM	. LUG, Spade, brs, Cd pl, No. 6-32 by 1/2 in. lg	2	
-30	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 1/2 in. lg	2	
-31	618B-S-3002	. SPACER, Stop	2	
		---*---		
-32	618B-S-371	. SHIELD, Spring	2	
		(ATTACHING PARTS)		
-33	50M-S-275	. NUT, Knurled	2	
		---*---		
-34	618B-M-3049	. FILTER ASSY, RF	1	
		(ATTACHING PARTS)		
-35	COMM	. NUT, Hex, brs, Cd pl, 3/8-32	1	
-36	COMM	. WASHER, Internal teeth lock, steel, Cd pl, 3/8 in. ID	1	
		---*---		
-37	618B-S-3086	. BODY, Connector	1	
-38	618B-L-372	. CAVITY ASSY, Frequency control	1	
		(ATTACHING PARTS)		
-39	COMM	. SCREW, Socket hd mach, steel, Cd pl, No. 6-32 by 3/4 in. lg	4	
		---*---		
	618B-S-381	. PLUNGER ASSEMBLY	1	
		(ATTACHING PARTS)		
-40	COMM	. SCREW, Allen socket hd set, steel, Cd pl, No. 8-32 by 3/16 in. lg	2	
		---*---		
-41	618B-S-382	. . ROD, Plunger	2	
-42	618B-S-391	. . RING, Plunger insert	1	
-43	*618B-L-383	. . PLUNGER	NP	
-44	618B-M-392	. CONDUCTOR ASSY, Center	1	
-45	618B-S-724	. WASHER, Spring	1	
-46	618B-S-395	. PLATE, Cavity back	1	
		(ATTACHING PARTS)		
-47	COMM	. SCREW, Fil hd mach, stainless steel, No. 4-40 by 1/4 in. lg	4	
		---*---		
-48	618B-S-357	. ROD, Connecting, frequency control	4	
		(ATTACHING PARTS)		
-49	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 1/4 in. lg	8	
-50	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 6	8	
-51	COMM	. WASHER, Flat, brs, Cd pl, 13/64 ID	8	
-52	618B-S-358	. SPACER, Connecting rod	6	
-53	618B-S-3006	. PIN, Link	2	
		---*---		
-54	618B-S-359	. BAR, Plunger support	1	

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
8-55	618B-S-3001	. BAR, Stop spacer	1	
		(ATTACHING PARTS)		
-56	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 3/4 in. lg	3	
-57	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 6	3	
-58	618B-S-3002	. SPACER, Stop	3	
		---*---		
-59	618B-S-361	. PIN, Stop	1	A
-60	618B-S-360	. SPRING, Stop	1	A
		(ATTACHING PARTS)		
-61	COMM	. SCREW, Rd hd mach, stainless steel, No. 4-40 by 1/4 in. lg	1	A
-62	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 4	1	A
		---*---		
-63	COMM	. SCREW, Rd hd mach, stainless steel, No. 4-40 by 1/4 in. lg	4	A
-64	618B-S-3005	. BRACKET, Stop, frequency control	1	A
		(ATTACHING PARTS)		
-65	COMM	. SCREW, Rd hd mach, stainless steel, No. 10-32 by 7/8 in. lg	2	
-66	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 10	2	
-67	COMM	. WASHER, Flat, brs, Cd pl, 1/4 ID by 1/2 OD by 1/32 in. thick	2	
-68	618B-S-356	. GUIDE, Frequency control	2	
		---*---		
-69	618B-S-363	. RETAINER, Frequency control	2	
		(ATTACHING PARTS)		
-70	COMM	. SCREW, Flat hd mach, stainless steel, No. 6-32 by 5/8 in. lg	6	
		---*---		
-71	S1K	. BEARING, Ball (FAF)	2	
-72	618B-S-732	. SCREW AND NUT ASSY, Drive, frequency control	1	
-72A	146-51	. SPRING, Frequency	2	C
		(ATTACHING PARTS)		
-72B	239-35A	. SCREW, Frequency spring	4	C
-72C	36-98	. LUG, Frequency spring	4	C
		---*---		
-73	618B-S-3007	. FILTER ASSY, Repeller	1	
		(ATTACHING PARTS)		
-74	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 1/4 in. lg	2	
-75	COMM	. WASHER, Ext teeth lock, phosphor bronze, Cd pl, No. 6	2	
-76	1550	. CLAMP, cable (Fed Screw Products)	2	
		---*---		
-77	618B-L-3[illegible]2	. CASTING, Frequency control	1	
-78	COMM	. SCREW, Allen hd set, steel, Cd pl, No. 8-32 by 1/4 in. lg	1	
-79	618B-S-3[illegible]46	. RING, Potentometer mounting	1	
		(ATTACHING PARTS)		
-80	5M-S-529-1-3/16	. SPACER, Ring, potentiometer mounting (See note under item 20)	3	
-81	COMM	. WASHER, Flat, brs, Cd pl, 13/64 ID	12	

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
-82	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 6	6	
-83	COMM	. NUT, Hex, stainless steel, No. 6-32 . . .	6	
-84	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32, 1-3/8 in. lg	3	
-85	50M-S-635	. NUT, Cavity, hex, brass, 3/8-32 thread . .	1	
-86	Type A	. PIN, Gear stop	1	BC
-87	608D-S-367	. SPACER, Stop gear	1	BC
-88	54M-M-44-7-9	. GEAR, Stop, offset teeth	1	BC
		(ATTACHING PARTS)		
-89	COMM	. SCREW, Rd hd, mach, stainless steel No. 10-24 by 7/8 in. lg	1	BC
-90	COMM	. WASHER, Internal teeth lock, phospher bronze, nickel pl, No. 10	1	BC
-91	COMM	. WASHER, Flat, brass, nickel pl, No. 10, 1/2 in. OD	1	BC
		---*---		

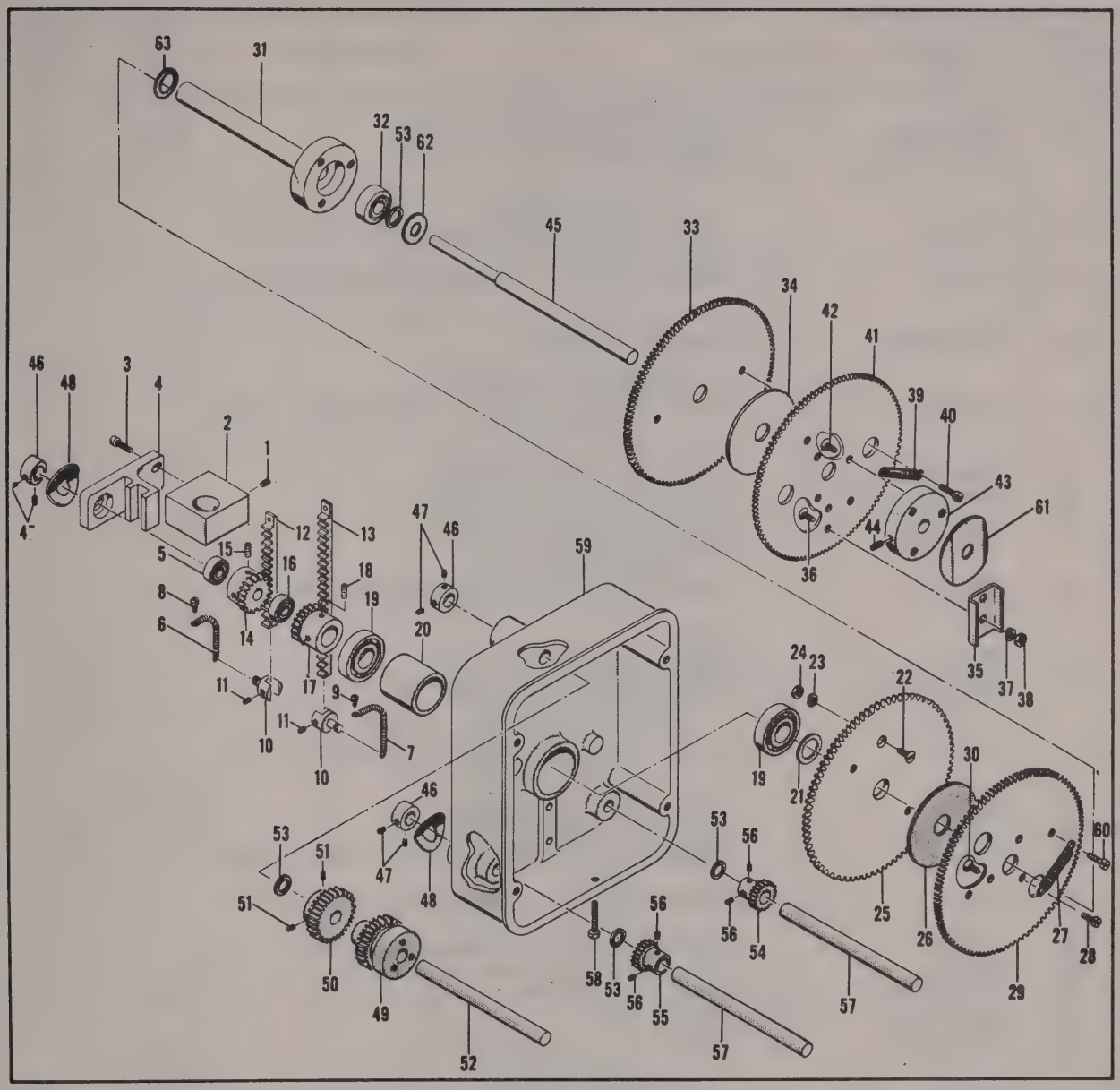


Figure 9. Attenuator Drive Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
9-	618B-L-113	DRIVE ASSY, Attenuator (See figure 4-21 for next higher assembly)	Ref	
-1	COMM	. SCREW, Allen socket hd set, steel, Cd pl, No. 8-32 by 3/16 in. lg	1	
-2	618B-S-3014	. CLAMP, Guide	1	
		(ATTACHING PARTS)		
-3	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 3/8 in. lg	2	
		---*---		
-4	618B-S-336	. GUIDE, Rack	1	

FIG. & INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
9-5	33K5	BEARING, Ball (FAF)	1	
-6	618B-S342-S	SPRING, Rack, short	1	
-7	618B-S-342-L	SPRING, Rack, long	1	
		(ATTACHING PARTS)		
-8	COMM	SCREW, Fil hd mach, stainless steel, No. 4-40 by 3/16 in. lg	1	
-9	COMM	SCREW, Fil hd mach, stainless steel, No. 4-40 by 1/4 in. lg	1	
		---*---		
-10	618B-S-337	HOLDER, Rack spring	2	
		(ATTACHING PARTS)		
-11	COMM	SCREW, Allen socket hd set, steel, Cd pl, No. 4-40 by 1/8 in. lg	2	
		---*---		
-12	618B-S-351-2 5/16	GEAR, Bolometer rack, short	1	
-13	618B-S-351-3 5/8	GEAR, Attenuator rack, long	1	
-14	50M-S-249	GEAR, Bolometer rack, drive	1	A
	618B-S-3106	GEAR, Bolometer rack, drive	1	BC
		(ATTACHING PARTS)		
-15	COMM	SCREW, Allen socket hd set, steel, Cd pl, No. 4-40 by 1/8 in. lg	1	
		---*---		
-16	33K5	BEARING, Ball (FAF)	1	
-17	50M-S-248	GEAR, Attenuator rack, drive	1	A
	618B-S-3110	GEAR, Attenuator rack, drive	1	BC
		(ATTACHING PARTS)		
-18	COMM	SCREW, Allen socket hd set, steel, Cd pl, No. 4-40 by 1/8 in. lg	1	
		---*---		
-19	S3KDD	BEARING, Ball, sealed (FAF)	2	
-20	618B-S-338	SPACER, Bearing	1	
-21	COMM	WASHER, Flat, brs, Cd pl, 3/8 ID by 5/8 OD by 0.031 in. thk	1	
-22	COMM	SCREW, Flat hd mach, stainless steel, No. 4-40 by 1/4 in. lg	1	
-23	COMM	WASHER, Split type lock, stainless steel, No. 4	1	
-24	COMM	NUT, Hex, stainless steel, No. 4-40	1	
-25	618B-S-347	GEAR, Idler, attenuator	1	
-26	50M-S-264	SPACER, Gear	1	
-27	50M-S-149	SPRING	2	
		(ATTACHING PARTS)		
-28	COMM	SCREW, Rd hd mach, stainless steel, No. 4-40 by 1/4 in. lg	4	
		---*---		
-29	618B-S-349	GEAR, Driven, attenuator	1	
		(ATTACHING PARTS)		
-30	COMM	SCREW, Flat hd mach, stainless steel, No. 4-40 by 1/4 in. lg	3	
		---*---		
-31	618B-S-339	TUBE ASSY, Attenuator drive	1	
-32	S1KD7	BEARING, Ball (FAF)	1	
-33	618B-S-348	GEAR, Idler, bolometer	1	
-34	50M-S-264	SPACER, Gear	1	
-35	618B-S-344	BRACKET, Gear	1	
		(ATTACHING PARTS)		
-36	COMM	SCREW, Flat hd mach, stainless steel, No. 4-40 by 1/4 in. lg	2	

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
9-37	COMM	WASHER, Split type lock, stainless steel, No. 4	2	
-38	COMM	NUT, Hex, stainless steel, No. 4-40	2	
		---*---		
-39	50M-S-149	SPRING	2	
		(ATTACHING PARTS)		
-40	COMM	SCREW, Rd hd mach, stainless steel, No. 4-40 by 3/8 in. lg	4	
		---*---		
-41	618B-S-350	GEAR, Driven, bolometer	1	
		(ATTACHING PARTS)		
-42	COMM	SCREW, Flat hd mach, stainless steel, No. 4-40 by 1/4 in. lg	3	
		---*---		
-43	618B-S-343	HUB, Attenuator gear	1	
		(ATTACHING PARTS)		
-44	COMM	SCREW, Allen socket hd set, steel, Cd pl, No. 8-32 by 3/16 in. lg	2	
		---*---		
-45	618B-S-345	SHAFT, Driven, bolometer	1	
-46	5M-S-397	COLLAR, Shaft	3	
		(ATTACHING PARTS)		
-47	COMM	SCREW, Allen socket hd set, steel, Cd pl, No. 8-32 by 1/8 in. lg	6	
		---*---		
-48	5M-S-465	WASHER, Compression	3	
-49	50M-S-247	GEAR, Driven, power dial	1	A
	618B-S-3109	GEAR, Driven, power dial	1	BC
-50	50M-S-245	GEAR, Driven, attenuator dial	1	A
	618B-S-3105	GEAR, Driven, attenuator dial	1	BC
		(ATTACHING PARTS)		
-51	COMM	SCREW, Allen socket hd set, steel, Cd pl, No. 8-32 by 3/16 in. lg	2	
		---*---		
-52	618B-S-346	SHAFT, Driven, attenuator	1	
-53	COMM	WASHER, Flat, brs, Cd pl, 1.4 ID by 3/8 OD by 0.010 in. thk	AR	
-54	50M-S-251	GEAR, Drive, power set	1	A
	618B-S-3112	GEAR, Drive, power set	1	BC
-55	50M-S-250	GEAR, Drive, attenuator	1	A
	618B-S-3111	GEAR, Drive, attenuator	1	BC
		(ATTACHING PARTS)		
-56	COMM	SCREW, Allen socket hd set, steel, Cd pl, No. 4-40 by 1/8 in. lg	4	
		---*---		
-57	56M-M-102-7	SHAFT	2	
-58	COMM	SCREW, Rd hd mach, stainless steel, No. 6-32 by 5/8 in. lg	1	
-59	618B-L-335	CASTING, Attenuator drive	1	
-60	COMM	SCREW, Rd hd mach, stainless steel, No. 4-40 by 1/4 in. lg	4	
-61	512-50	WASHER, Compression, berrylium copper	1	
-62	512-104	WASHER, Flat, berrylium copper	1	
-63	512-55	WASHER, Flat, berrylium copper	1	

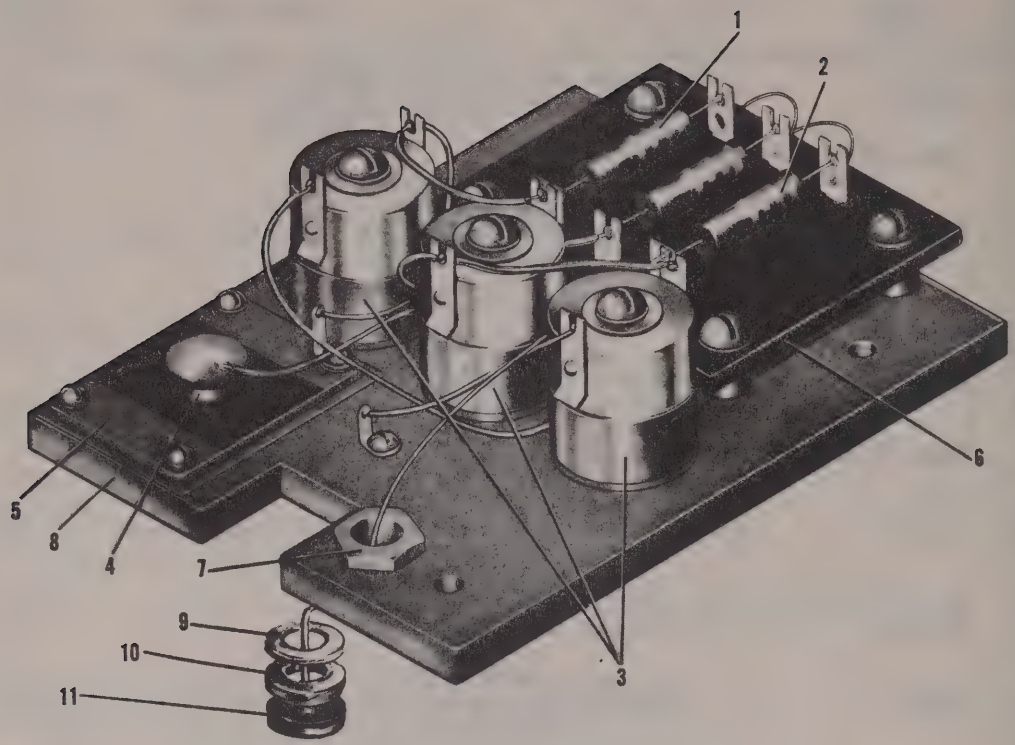


Figure 10. Resistor Board "H" Assembly

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
10-	618B-M-408	BOARD ASSY, Resistor, "H" (See figure 4-23 for next higher assembly)	Ref	
-1	RC30BF471K	. RESISTOR, Fixed, composition, 470 ohm ± 10%, 1 w	2	
-2	RC30BF121K	. RESISTOR, Fixed, composition, 120 ohm ± 10%, 1 w	1	
-3	RB40B130ROD	. RESISTOR, Fixed, wire wound, 130 ohm ± 1/2%, 0.4 w	3	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 1 in. lg	3	
	1471	. WASHER, Fibre (Fed Screw Prod)	3	
	COMM	. WASHER, Internal teeth lock, stainless steel, No. 6	3	
		---*---		
-4	D168391	. RESISTOR, Thermal, 756 ohm ± 5% at 75°F (WE) .	1	
-5	616A-S-3089	. PLATE, Insulator	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 4-40 by 1/4 in. lg	4	
	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 4	4	
	618B-S-3013	. SPACER, Insulator	4	
	1902	. TERMINAL, No. 6 (Fed Screw Prod)	2	
		---*---		
-6	618B-S718	. BOARD, Resistor	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 1/2 in. lg	4	

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
10-	COMM	. WASHER, Split type lock, stainless steel, No. 6 .	4	
	5M-S-529-3/16	. SPACER, 3/16 in. lg	4	
		---*---		
-7	19M-S-766	. BEARING, Sleeve	1	
-8	618B-S-3011	. BRACKET, Bridge mtg	1	
-9	50M-S-274	. WASHER, Flat, bakelite 1/32 in. thk, 7/16 in. OD, 3/16 in. ID	1	
-10	50M-S-273	. WASHER, Flat neoprene, 1/16 in. thk, 7/16 in. OD, 3/16 in. ID	1	
-11	27D2	. RESISTOR, Thermal, 765 ohms, ± 5% at 75°F (VYE)	1	

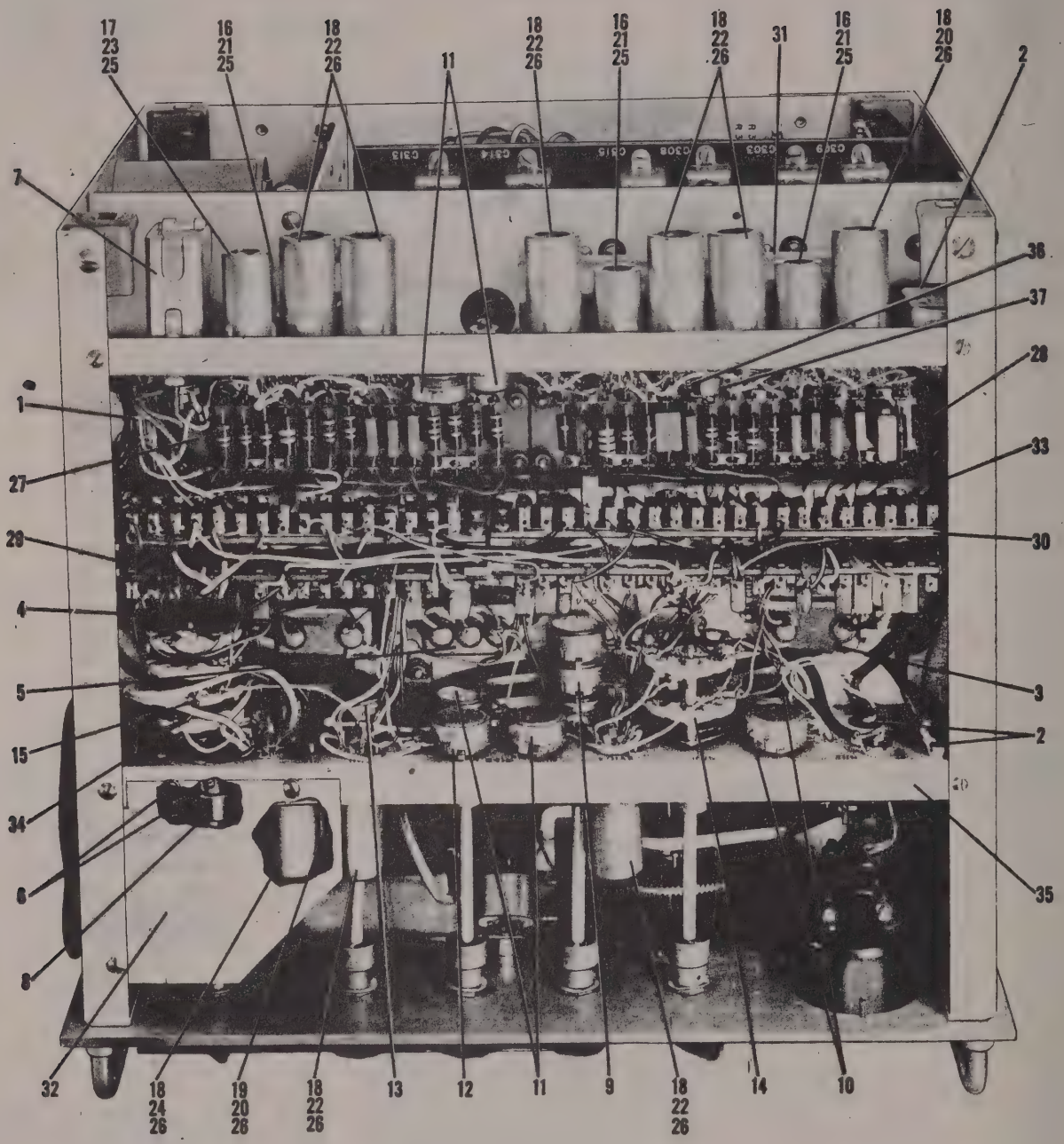


Figure 11. Pulser Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
11-	618B-E-111	PULSER ASSEMBLY (See figure 3-12 for next higher assembly)	Ref	
-1	618B-E-415	. CABLE ASSY, Interdeck	1	
-2	CP55B1EG254K	. CAPACITOR, Fixed, paper dielectric, 250,000 mmf ± 10%, 1000 V dc	3	

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
11-3	CP54B1FG104K	. CAPACITOR, Fixed, paper dielectric, 100,000 mmf ±10%, 1000 V dc	1	
-4	CP54B1FF504K	. CAPACITOR, Fixed, paper dielectric, 500,000 mmf ±10%, 600 V dc	1	
-5	CP54B4FG104V	. CAPACITOR, Fixed, paper dielectric, 100,000 mmf 20% - 10%, 1000 V dc	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 3/8 in. lg	8	
	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 6	8	
	COMM	. WASHER, Ext teeth lock, phosphor bronze, Cd, pl, No. 6	8	
	1902	. TERMINAL (Fed Screw Prod)	1	
	COMM	. NUT, Hex, stainless steel, No. 6-32	8	
		---*---		
-6	CM50B472K	. CAPACITOR, Fixed, mica dielectric, 4700 mmf ±10%, 2500 V dc	2	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 1-1/4 in. lg	2	
	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 6	2	
	COMM	. WASHER, Ext teeth lock, phosphor bronze, Cd, pl, No. 6	2	
	COMM	. NUT, Hex, stainless steel, No. 6-32	2	
		---*---		
-7	CP70E1FH254K	. CAPACITOR, Fixed, paper dielectric, 250,000 mmf ±10%, 1500 V dc	1	
		(ATTACHING PARTS)		
	COMM	. WASHER, Ext teeth lock, phosphor bronze, Cd pl, No. 10	2	
	COMM	. NUT, Hex, stainless steel, No. 10-32	2	
	CP07SA2	. BRACKET, Capacitor mtg (supplied with CP70E1FH254K)	2	
		---*---		
-8	50M-S-216	. HEAD, Coupler	5	
		(ATTACHING PARTS)		
	COMM	. SCREW, Allen socket hd set, steel, Cd pl, No. 8-32 by 1/8 in. lg	10	
		---*---		
-9	JJJU1051,P3056	. RESISTOR, Variable, composition, three gang, 1 meg ±10%, 2 w each section (AB)	1	
-10	JLU2541,SD4040L	. RESISTOR, Variable, composition, 250,000 ohm ±10%, 2 w (AB)	2	
-11	JLU1521,SD4040L	. RESISTOR, Variable, composition, 1500 ohm ±10%, 2 w (AB)	4	A
	JLU1521,SD4040L	. RESISTOR, Variable, composition, 1500 ohm ±10%, 2 w (AB)	3	BC
-12	JA1052,P3056	. RESISTOR, Variable, composition, 1 meg ±20%, 2 w (AB)	1	
-13	JA2031,P3056	. RESISTOR, Variable, composition, 20,000 ohm ±10%, 2 w (AB)	1	
-14	618B-S-409	. SWITCH, Rotary, 2 sections, 5 positions	1	
-15	618B-S410	. SWITCH, Rotary, 4 sections, 8 positions	1	
-16	TS102U01	. SHIELD, Tube (CIN)	3	
-17	TS102U02	. SHIELD, Tube (CIN)	1	
-18	TS103U02	. SHIELD, Tube (CIN)	9	
-19	TS103U03	. SHIELD, Tube (CIN)	1	
-20	JAN12AT7	. TUBE, Electron	2	AB

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
11-	JAN12AT7WA	. TUBE, Electron	2	C
-21	JAN5726/6AL5W	. TUBE, Electron	3	
-22	JAN5814(12AU7)	. TUBE, Electron	7	
-23	JAN2D21	. TUBE, Electron	1	
-24	JAN5763	. TUBE, Electron	1	
-25	TS102P01	. SOCKET, Tube (CIN)	4	
-26	TS103P01	. SOCKET, Tube (CIN)	10	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 4-40 by 3/8 in. lg	28	
	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 4	28	
	COMM	. WASHER, Ext teeth lock, phosphor bronze, Cd pl, No. 4	24	
	COMM	. WASHER, Split type lock, stainless steel, No. 4	4	
	COMM	. NUT, Hex, stainless steel, No. 4-40	28	
		---*---		
-27	618B-M-401	. BOARD ASSY, Resistor, "A" (See figure 12)	1	
-28	618B-M-402	. BOARD ASSY, Resistor, "B" (See figure 13)	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 3/4 in. lg	8	
	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 6	8	
	5M-S-529-3/16	. SPACER, 3/16 in. lg	8	
	COMM	. WASHER, Split type lock, stainless steel, No. 6	8	
	COMM	. NUT, Hex, stainless steel, No. 6-32	8	
		---*---		
-29	618B0L-403	. BOARD ASSY, Resistor, "C" (See figure 14)	1	
-30	618B-L-404	. BOARD ASSY, Resistor, "D" (See figure 15)	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 1/2 in. lg	8	
	COMM	. WASHER, Ext teeth lock, phosphor bronze, Cd pl, No. 6	8	
		---*---		
-31	618B-S740	. WRENCH, Socket, 1-9/64 in. hex	1	
-32	618B-S-3081	. SHIELD, Aluminum	1	
-33	CL-832-2	. FASTENER (PEN)	8	
-34	618B-S-316	. PLATE, Tube mtg insulator	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 1/2 in. lg	4	
	COMM	. WASHER, Ext teeth lock, phosphor bronze, Cd pl, No. 6	4	
	COMM	. WASHER, Split type lock, stainless steel, No. 6	4	
	COMM	. NUT, Hex, stainless steel, No. 6-32	4	
		---*---		
-35	618B-E-308	. PLATE, Pulser deck	1	
-36	RC20GF101K	. RESISTOR, Fixed, composition, 100 ohm ±10%, 1/2 w	1	
-37	1023-04-3/4	. INSULATOR, Standoff, white steatite, 3/4 in. lg by 3/8 in. OD, 6-32 tapped	1	

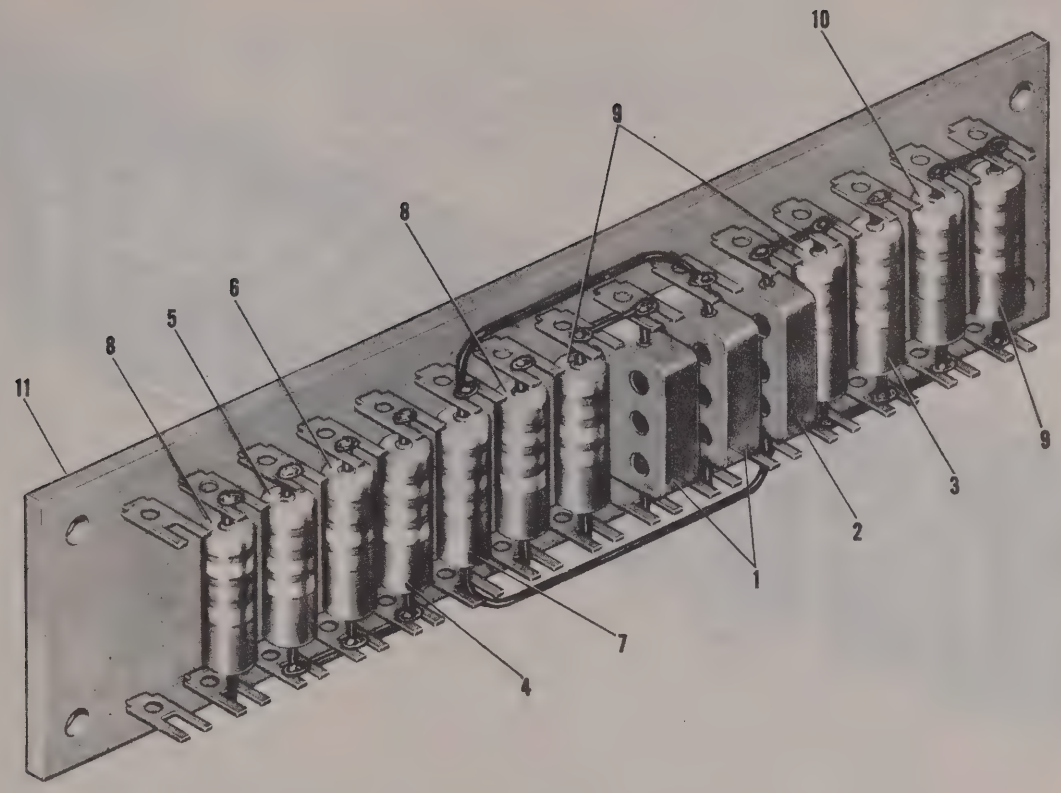


Figure 12. Resistor Board "A" Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
12-	618B-M-401	BOARD ASSY, Resistor, "A" (See figure 11-27 for next higher assembly)	Ref	
-1	CM20A270K	. CAPACITOR, Fixed, mica dielectric, 27 mmf ± 10%, 500 V dc	2	
-2	CM20B101K	. CAPACITOR, Fixed, mica dielectric, 100 mmf ± 10%, 500 V dc	1	
-3	RC30GF392K	. RESISTOR, Fixed, composition, 3,900 ohm ± 10%, 1 w	1	
-4	RC42GF103K	. RESISTOR, Fixed, composition, 10,000 ohm ± 10%, 2 w	1	
-5	RC30GF274K	. RESISTOR, Fixed, composition, 270,000 ohm ± 10%, 1 w	1	
-6	RC30GF564K	. RESISTOR, Fixed, composition, 560,000 ohm ± 10%, 1 w	1	
-7	RC30GF222K	. RESISTOR, Fixed, composition, 2,200 ohm ± 10%, 1 w	1	
-8	RC30GF474K	. RESISTOR, Fixed, composition, 470,000 ohm ± 10%, 1 w	2	
-9	RC30GF473K	. RESISTOR, Fixed, composition, 47,000 ohm ± 10%, 1 w	3	
-10	RC30GF682K	. RESISTOR, Fixed, composition, 6,800 ohm ± 10%, 1 w	1	
-11	618B-S-716	. BOARD, Resistor, "A"	1	

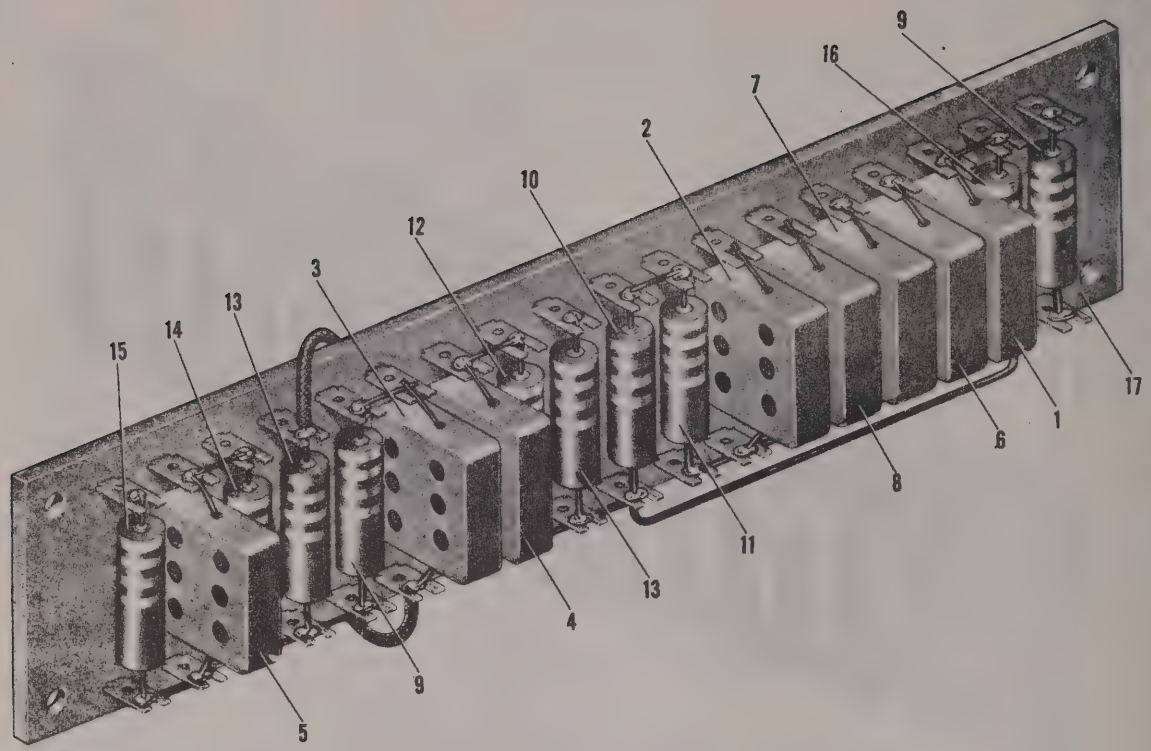


Figure 13. Resistor Board "B" Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
13-	618B-M-402	BOARD ASSY, Resistor, "B" (See figure 11-28 for next higher assembly)	Ref	
-1	CM35A103K	. CAPACITOR, Fixed, mica dielectric, 10,000 mmf ± 10%, 300 V dc	1	
-2	CM20B390K	. CAPACITOR, Fixed, mica dielectric, 39 mmf ± 10%, 500 V dc	1	
-3	CM20B271K	. CAPACITOR, Fixed, mica dielectric, 270 mmf ± 10%, 500 V dc	1	
-4	CM20B560K	. CAPACITOR, Fixed, mica dielectric, 56 mmf ± 10%, 500 V dc	1	
-5	CM20D391J	. CAPACITOR, Fixed, mica dielectric, 390 mmf ± 5%, 500 V dc	1	
-6	CM20A181K	. CAPACITOR, Fixed, mica dielectric, 180 mmf ± 10%, 500 V dc	1	
-7	CM30D102J	. CAPACITOR, Fixed, mica dielectric, 1000 mmf ± 5%, 500 V dc	1	
-8	CM20A050K	. CAPACITOR, Fixed, mica dielectric, 5 mmf ± 10%, 500 V dc	1	
-9	RC30GF125K	. RESISTOR, Fixed, composition, 1.2 meg ± 10%, 1 w	2	
-10	RC30GF392K	. RESISTOR, Fixed, composition, 3,900 ohm ± 10%, 1 w	1	
-11	RC30GF272K	. RESISTOR, Fixed, composition, 2,700 ohm ± 10%, 1 w	1	
-12	RC30GF473K	. RESISTOR, Fixed, composition, 47,000 ohm ± 10%, 1 w	1	
-13	RC30GF103K	. RESISTOR, Fixed, composition, 10,000 ohm ± 10%, 1 w	2	

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
13-14	RC42GF333K	. RESISTOR, Fixed, composition, 33,000 ohm ± 10%, 2 w	1	
-15	RC30GF271K	. RESISTOR, Fixed, composition, 270 ohm ± 10%, 1 w	1	
-16	RC30GF225K	. RESISTOR, Fixed, composition, 2.2 meg, ± 10%, 1 w	1	
-17	618B-S-717	. BOARD, Resistor, "B"	1	

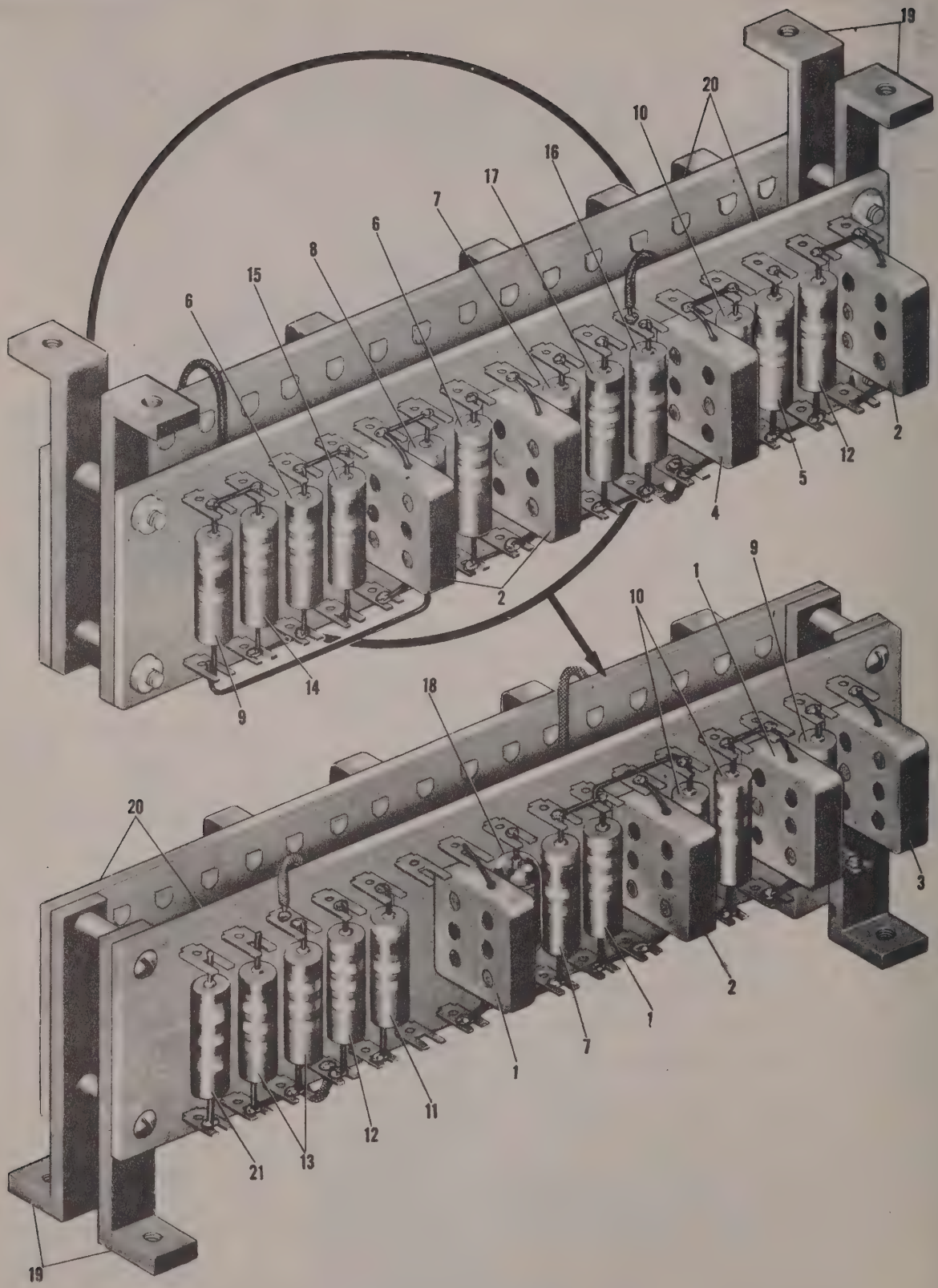


Figure 14. Resistor Board "C" Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
14-	618B-L-403	BOARD ASSY, Resistor, "C" (See figure 11-29 for next higher assembly)	Ref	
-1	CM35A103K	. CAPACITOR, Fixed, mica dielectric, 10,000 mmf ± 10%, 300 V dc	2	
-2	CM20B271K	. CAPACITOR, Fixed, mica dielectric, 270 mmf ±10%, 500 V dc	4	
-3	CM35B472K	. CAPACITOR, Fixed, mica dielectric, 4,700 mmf ± 10%, 500 V dc	1	
-4	CM20B101K	. CAPACITOR, Fixed, mica dielectric, 100 mmf ± 10%, 500 V dc	1	
-5	RC30GF102K	. RESISTOR, Fixed, composition, 1,000 ohm ± 10%, 1 w	1	
-6	RC30GF154K	. RESISTOR, Fixed, composition, 150,000 ohm ± 10%, 1 w	2	
-7	RC30GF222K	. RESISTOR, Fixed, composition, 2,200 ohm ± 10%, 1 w	2	
-8	RC30GF274K	. RESISTOR, Fixed, composition, 470,000 ohm ± 10%, 1 w	1	
-9	RC30GF473K	. RESISTOR, Fixed, composition, 47,000 ohm ± 10%, 1 w	2	
-10	RC42GF333K	. RESISTOR, Fixed, composition, 33,000 ohm ± 10%, 2 w	3	
-11	RC30GF105K	. RESISTOR, Fixed, composition, 1 meg ± 10%, 1 w .	2	
-12	RC30GF472K	. RESISTOR, Fixed, composition, 4,700 ohm ± 10%, 1 w	2	
-13	RC30GF272K	. RESISTOR, Fixed, composition, 2,700 ohm ± 10%, 2 w	2	
-14	RC30GF104K	. RESISTOR, Fixed, composition, 100,000 ohm ± 10%, 1 w	1	
-15	RC30GF184K	. RESISTOR, Fixed, composition, 180,000 ohm ± 10%, 1 w	1	
-16	RC30GF125K	. RESISTOR, Fixed, composition, 1.2 meg ± 10%, 1 w	1	
-17	RC30GF103K	. RESISTOR, Fixed, composition, 10,000 ohm ± 10%, 1 w	1	
-18	618B-S-704	. COIL, RF	1	
-19	54M-S-250	. SUPPORT, Resistor board, long	4	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 1 in. lg	4	
	COMM	. WASHER, Split type lock, stainless steel, No. 6 .	8	
	5M-S-529-5/16	. SPACER, 5/16 in. lg	4	
	COMM	. NUT, Hex, stainless steel, No. 6-32	4	
		---*---		
-20	618B-S-720	. BOARD, Resistor, "C"	2	
-21	RC42GF393K	. RESISTOR, Fixed composition, 39,000 ohm ±10%, 2 w	1	BC

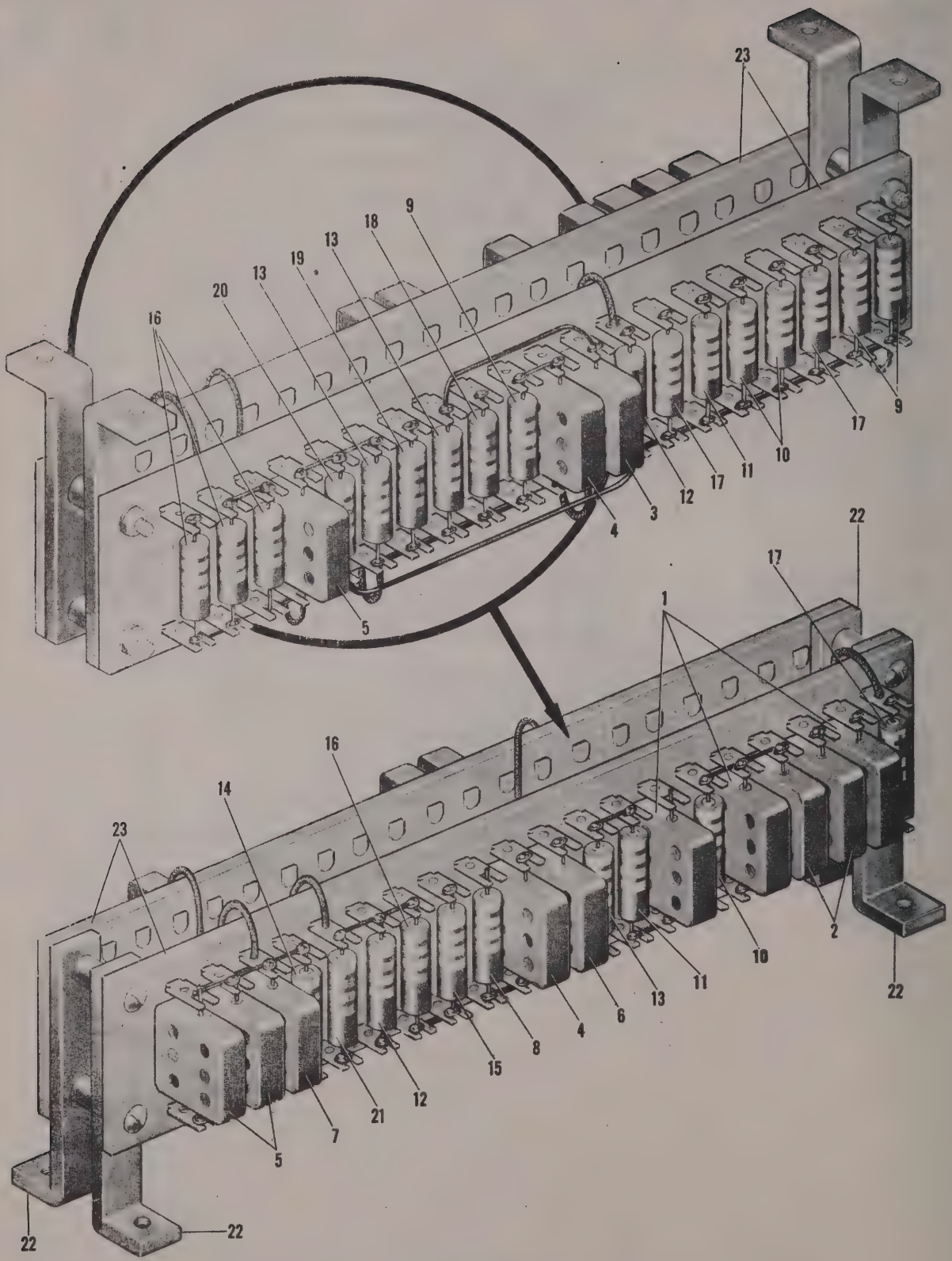


Figure 15. Resistor Board "D" Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
15-	618B-L-404	BOARD ASSY, Resistor "D" (See figure 11-30 for next higher assembly)	Ref	
-1	CM30D102J	. CAPACITOR, Fixed, mica dielectric, 1,000 mmf ± 5%, 500 V dc	2	
-2	CM35B103J	. CAPACITOR, Fixed, mica dielectric, 10,000 mmf ± 5%, 300 V dc	2	
-3	CM20A270K	. CAPACITOR, Fixed, mica dielectric, 27 mmf ± 10%, 500 V dc	1	
-4	CM20B101K	. CAPACITOR, Fixed, mica dielectric, 100 mmf ± 10%, 500 V dc	2	
-5	CM35A103K	. CAPACITOR, Fixed, mica dielectric, 10,000 mmf ± 10%, 300 V dc	3	
-6	CM30B222K	. CAPACITOR, Fixed, mica dielectric, 2,200 mmf ± 10%, 500 V dc	1	
-7	CM30B182K	. CAPACITOR, Fixed, mica dielectric, 1800 mmf ± 10%, 500 V dc	1	
-8*	RC30GF105K	. RESISTOR, Fixed, composition, 1.0 meg ± 10%, 1 w	1	
-9	RC30GF125K	. RESISTOR, Fixed, composition, 1.2 meg ± 10%, 1 w	3	
-10	RC30GF473K	. RESISTOR, Fixed, composition, 47,000 ohm ± 10%, 1 w	3	
-11	RC30GF104K	. RESISTOR, Fixed, composition, 100,000 ohm ± 10%, 1 w	2	
-12	RC42GF273K	. RESISTOR, Fixed, composition, 27,000 ohm ± 10%, 2 w	2	
-13	RC30GF474K	. RESISTOR, Fixed, composition, 470,000 ohm ± 10%, 1 w	1	
-14	RC30GF681K	. RESISTOR, Fixed, composition, 680 ohm ± 10%, 1 w	1	
-15	RC42GF183K	. RESISTOR, Fixed, composition, 18,000 ohm ± 10%, 2 w	4	
-16	RC42GF103K	. RESISTOR, Fixed, composition, 10,000 ohm ± 10%, 2 w	3	
-17	RC30GF122K	. RESISTOR, Fixed, composition, 1,200 ohm ± 10%, 1 w	1	
-18	RC30GF103K	. RESISTOR, Fixed, composition, 10,000 ohm ± 10%, 1 w	1	
-19	RC30GF274K	. RESISTOR, Fixed, composition, 270,000 ohm ± 10%, 1 w	1	
-20	RC30GF154K	. RESISTOR, Fixed, composition, 150,000 ohm ± 10%, 1 w	1	
-21	RC30GF124K	. RESISTOR, Fixed, composition, 120,000 ohm ± 10%, 1 w	1	
-22	54M-S-250	. SUPPORT, Resistor board, long	4	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 1 in. lg	4	
	COMM	. WASHER, Split type lock, stainless steel, No. 6	8	
	5M-S-529-5/16	. SPACER, 5/16 in. lg	4	
	COMM	. NUT, Hex, stainless steel, No. 6-32	4	
		---*---		
-23	618B-S-721	. BOARD, Resistor, "D"	2	

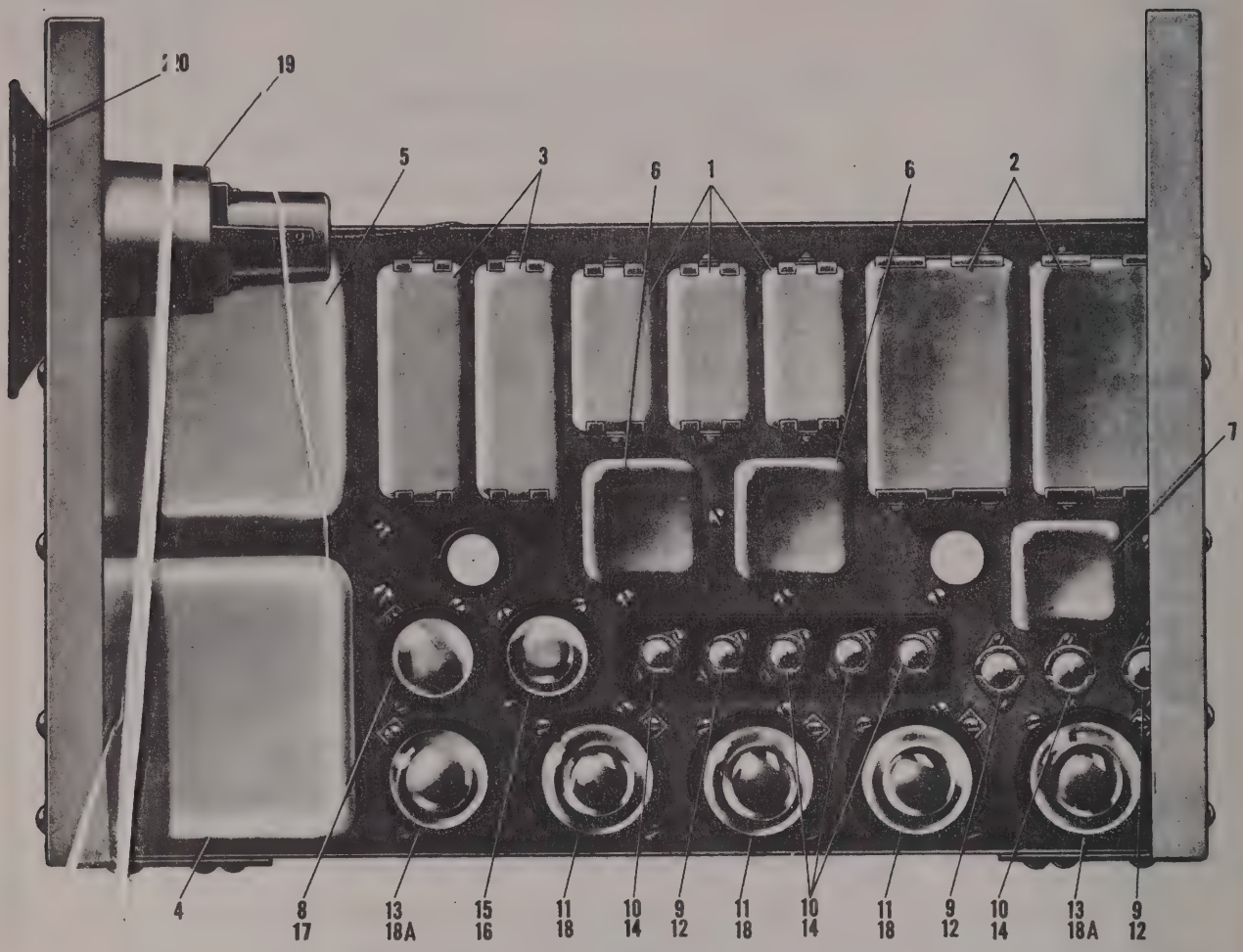


Figure 16. Power Deck Assembly, Front View

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
16-	618B-E-109	DECK ASSY, Power (See figure 3-13 for next higher assembly)	Ref	
-1	CP70E1FF605K	. CAPACITOR, Fixed, paper dielectric, 6 mf ± 10%, 600 V dc	3	
-2	CP70E1FJ405K	. CAPACITOR, Fixed, paper dielectric, 4 mf ± 10%, 2,000 V dc	2	
-3	CP70E1FH405K	. CAPACITOR, Fixed, paper dielectric, 4 mf ± 10%, 1,500 V dc	2	
		(ATTACHING PARTS)		
	COMM	. WASHER, Ext teeth lock, phosphor bronze, Cd pl, No. 10	14	
	COMM	. NUT, Hex, stainless steel, No. 10-32	14	
	CP07SB6	. BRACKET, Capacitor mtg (supplied with CP70E1FF605K)	6	
	CP07SE3	. BRACKET, Capacitor mtg (supplied with CP70E1FJ405K)	4	
	CP07SC4	. BRACKET, Capacitor mtg (supplied with CP70E1FH405K)	4	

---*---

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
16-4	910-89	. TRANSFORMER, Power (Palo Alto Eng. Co., Palo Alto, Calif.)	1	
-5	910-90	. TRANSFORMER, Power (Palo Alto Eng. Co., Palo Alto, Calif.)	1	
		(ATTACHING PARTS)		
	COMM	. NUT, Hex, stainless steel, No. 6-32	8	
	COMM	. WASHER, Ext teeth lock, phosphor bronze, Cd pl No. 6	8	
		---*---		
-6	16904	. CHOKE, Filter (CHT)	2	
-7	16905	. CHOKE, Filter (CHT)	1	
		(ATTACHING PARTS)		
	COMM	. NUT, Hex, stainless steel, No. 4-40	6	
	COMM	. WASHER, Ext teeth lock, phosphor bronze, Cd pl No. 6	6	
		---*---		
-8	B2040 or B2140	. RELAY (EDI)	1	A
	115N030T	. RELAY (ATV)	1	BC
-9	TS102U02	. SHIELD, Tube (CIN)	3	
-10	TS102U03	. SHIELD, Tube (CIN)	5	
-11	JAN5R4WGY	. TUBE, Electron	3	AB
	JAN5R4WGB	. TUBE, Electron	3	C
-12	JAN6AU6	. TUBE, Electron	3	AB
	JAN6AU6WA	. TUBE, Electron	3	C
-13	JAN6AS7	. TUBE, Electron	2	AB
	JAN6080WA	. TUBE, Electron	2	C
-14	JAN0A2	. TUBE, Electron	5	AB
	JAN0A2WA	. TUBE, Electron	5	C
-15	JAN0A3	. TUBE, Electron	1	
-16	926A	. CLAMP, Tube (George S. Thompson Corp.)	1	
-17	926B	. CLAMP, Tube (George S. Thompson Corp.)	1	A
-18	926C	. CLAMP, Tube (George S. Thompson Corp.)	3	
-18A	140-13	. CLAMP, Tube	2	C
	926C	. CLAMP, Tube	2	AB
-19	B-3A-846	. BLOWER, Reverse air flow (GLI)	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 1-1/4 in. lg	4	
	COMM	. WASHER, Ext teeth lock, phosphor bronze, Cd pl No. 6	4	
		---*---		
-20	5M-S-863	. MOUNT, Blower, 2 pieces, mount and baffle	1	

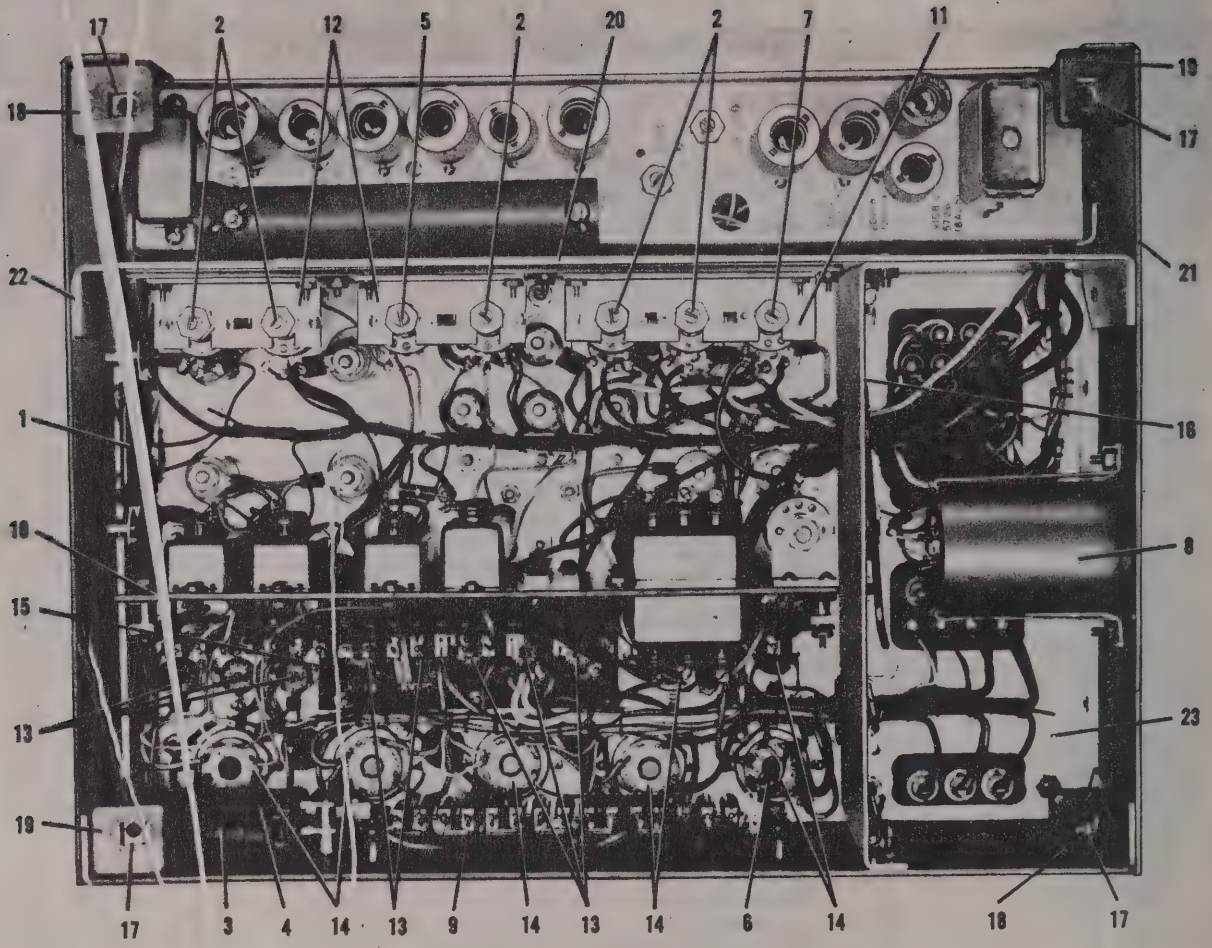


Figure 17. Power Deck Assembly (Cont)

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
17-1	RW21G801	. RESISTOR, Fixed, wire-wound, 800 ohm ± 5%, 22 w	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 3/4 in. lg	2	
	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 6	2	
	COMM	. WASHER, Split type lock, stainless steel, No. 6 .	2	
	COMM	. NUT, Hex, stainless steel, No. 6-32	2	
		---*---		
-2	JLU2032,SD4040L	. RESISTOR, Variable, composition, 20,000 ohm ± 20%, 2 w at 70°C (AB)	5	
-3	RW21J452	. RESISTOR, Fixed, wire-wound, 45,000 ohm ± 5%, 12.5 w	1	

FIG. & INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
17-4	RW21J502	. RESISTOR, Fixed, wire-wound, 5,000 ohm ± 5 %, 12.5 w	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 1-1/4 in. lg	2	
	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 6	2	
	COMM	. WASHER, Ext teeth lock, phosphor bronze, Cd pl, No. 6	2	
	COMM	. NUT, Hex, stainless steel, No. 6-32	2	
-5	JLU1521,SD404L	. RESISTOR, Variable, composition, 1,500 ohm ± 10%, 2 w at 70°C (AB)	1	
-6	RC20GF471K	. RESISTOR, Fixed, composition, 470 ohm ± 10%, 1/2 w	1	
-7	RV4LATSA103A	. RESISTOR, Variable, composition, 10,000 ohm ± 10%, 2 w at 70°C (AB)	1	
-8	6RS5AH26	. RECTIFIER, Metallic (GE)	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 8-32 by 1/2 in. lg	2	
	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 8	2	
	COMM	. WASHER, Ext teeth lock, phosphor bronze, Cd pl, No. 8	2	
	COMM	. NUT, Hex, stainless steel, No. 8-32	2	
	CP07FA3	. BRACKET, Rectifier mtg	2	
		---*---		
-9	618B-M-405	. BOARD ASSY, Resistor, "E" (See figure 18)	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 3/4 in. lg	4	
	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 6	4	
	COMM	. WASHER, Split type lock, stainless steel, No. 6	4	
	5M-S-529-5/16	. SPACER, 5/16 in. lg	4	
	COMM	. NUT, Hex, stainless steel, No. 6-32	4	
		---*---		
-10	618B-L-406	. BOARD ASSY, Resistor, "F" (See figure 19)	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 3/8 in. lg	5	
	COMM	. WASHER, Ext teeth lock, phosphor bronze, Cd pl, No. 6	5	
		---*---		
-11	618B-S-310	. BRACKET, Variable resistor mtg, three unit	1	
-12	618B-S-311	. BRACKET, Variable resistor mtg, two unit	2	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 3/8 in. lg	6	
	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 6	6	
	COMM	. WASHER, Split type lock, stainless steel, No. 6	6	
	COMM	. NUT, Hex, stainless steel, No. 6-32	6	
		---*---		
-13	TS102P01	. SOCKET, Tube (CIN)	8	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 4-40 by 3/8 in. lg	16	

FIG. & INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
17-	COMM	WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 4	16	
	COMM	WASHER, Ext teeth lock, phosphor bronze, Cd pl, No. 4	6	
	COMM	WASHER, Split type lock, stainless steel, No. 4	16	
	COMM	NUT, Hex, stainless steel, No. 4-40	16	
		---*---		
-14	TS101C01	SOCKET, Tube (CIN)	7	
		(ATTACHING PARTS)		
	COMM	SCREW, Rd hd mach, stainless steel, No. 6-32 by 3/8 in. lg	14	
	COMM	WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 6	14	
	COMM	WASHER, Ext teeth lock, phosphor bronze, Cd pl, No. 6	14	
	COMM	NUT, Hex, stainless steel, No. 6-32	14	
		---*---		
-15	618B-S-314	PLATE, Tube mtg insulator, power deck	1	
		(ATTACHING PARTS)		
	COMM	SCREW, Rd hd mach, stainless steel, No. 6-32 by 1/2 in. lg	6	
	COMM	WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 6	6	
	COMM	WASHER, Split type lock, stainless steel, No. 6	6	
	COMM	NUT, Hex, stainless steel, No. 6-32	6	
		---*---		
-16	618B-M-304	SUPPORT, Power deck	1	
		(ATTACHING PARTS)		
	COMM	SCREW, Rd hd mach, stainless steel, No. 10-32 by 1/2 in. lg	8	
	COMM	WASHER, Ext teeth lock, phosphor bronze, Cd pl, No. 10	8	
	COMM	WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 10	8	
	COMM	NUT, Hex, stainless steel, No. 10-32	8	
		---*---		
-17	C7998-1420-3	NUT, Retained (TIN)	4	
-18	618B-S-312	BRACKET, Cabinet mtg	2	
-19	618B-S-313	BRACKET, Cabinet mtg	2	
		(ATTACHING PARTS)		
	COMM	SCREW, Rd hd mach, stainless steel, No. 10-32 by 1/2 in. lg	4	
	COMM	WASHER, Ext teeth lock, phosphor bronze, Cd pl, No. 10	4	
	COMM	WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 10	4	
	COMM	NUT, Hex, stainless steel, No. 10-32	4	
		---*---		
-20	618B-M-317	PLATE, Variable resistor mtg insulator	1	
		(ATTACHING PARTS)		
	COMM	SCREW, Rd hd mach, stainless steel, No. 6-32 by 3/8 in. lg	3	
	COMM	WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 6	3	
	COMM	WASHER, Split type lock, stainless steel, No. 6	3	
	COMM	NUT, Hex, stainless steel, No. 6-32	3	
		---*---		

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
17-21	618B-E-302	. GUSSET, Right	1	
-22	618B-E-303	. GUSSET, Left	1	
-23	618B-E-301	. DECK, Power	1	

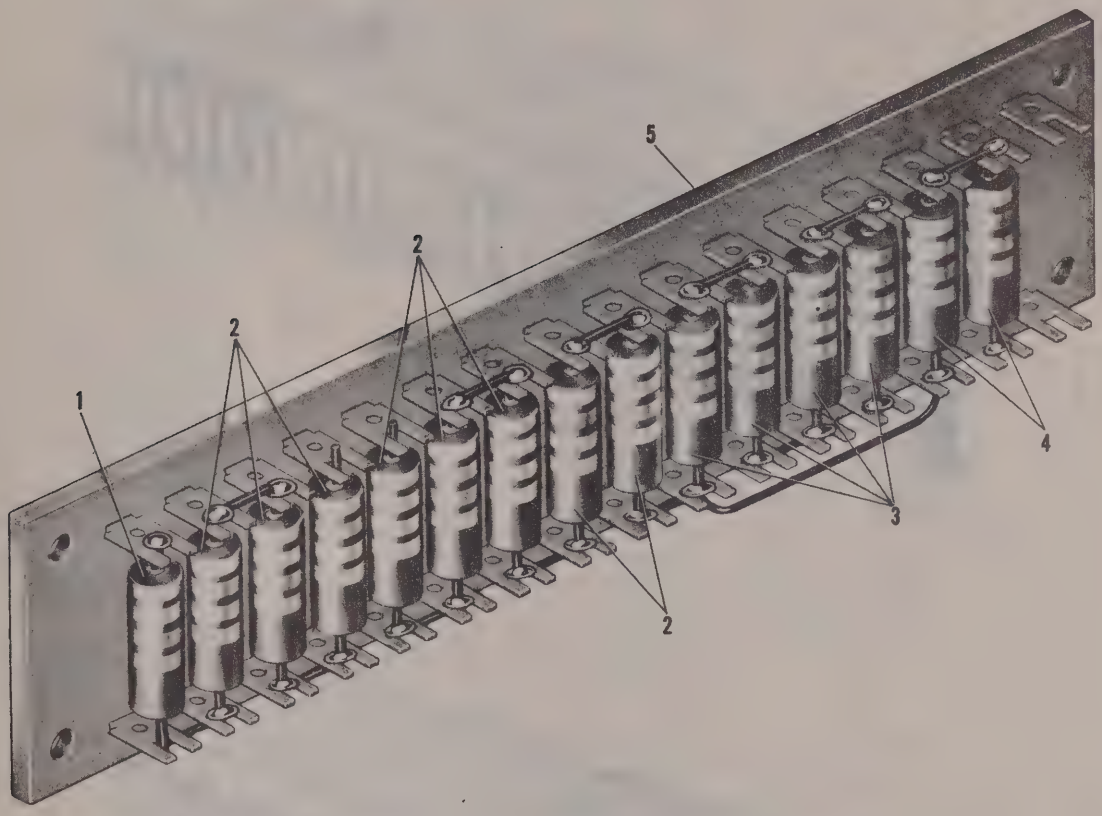


Figure 18. Resistor Board "E" Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
18-	618B-M-405	BOARD ASSY, Resistor, "E" (See figure 17-10 for next higher assembly)	Ref	
-1	RC30GF101J	. RESISTOR, Fixed, composition, 100 ohm ± 5%, 1 w	1	
-2	RC42GF333K	. RESISTOR, Fixed, composition, 33,000 ohm ± 10%, 2 w	8	
-3	RC42GF332K	. RESISTOR, Fixed, composition, 3,300 ohm ± 10%, 2 w	4	
-4	RC42GF153K	. RESISTOR, Fixed, composition, 15,000 ohm ± 10%, 2 w	2	
-5	618B-S-719	. BOARD, Resistor, "E"	1	

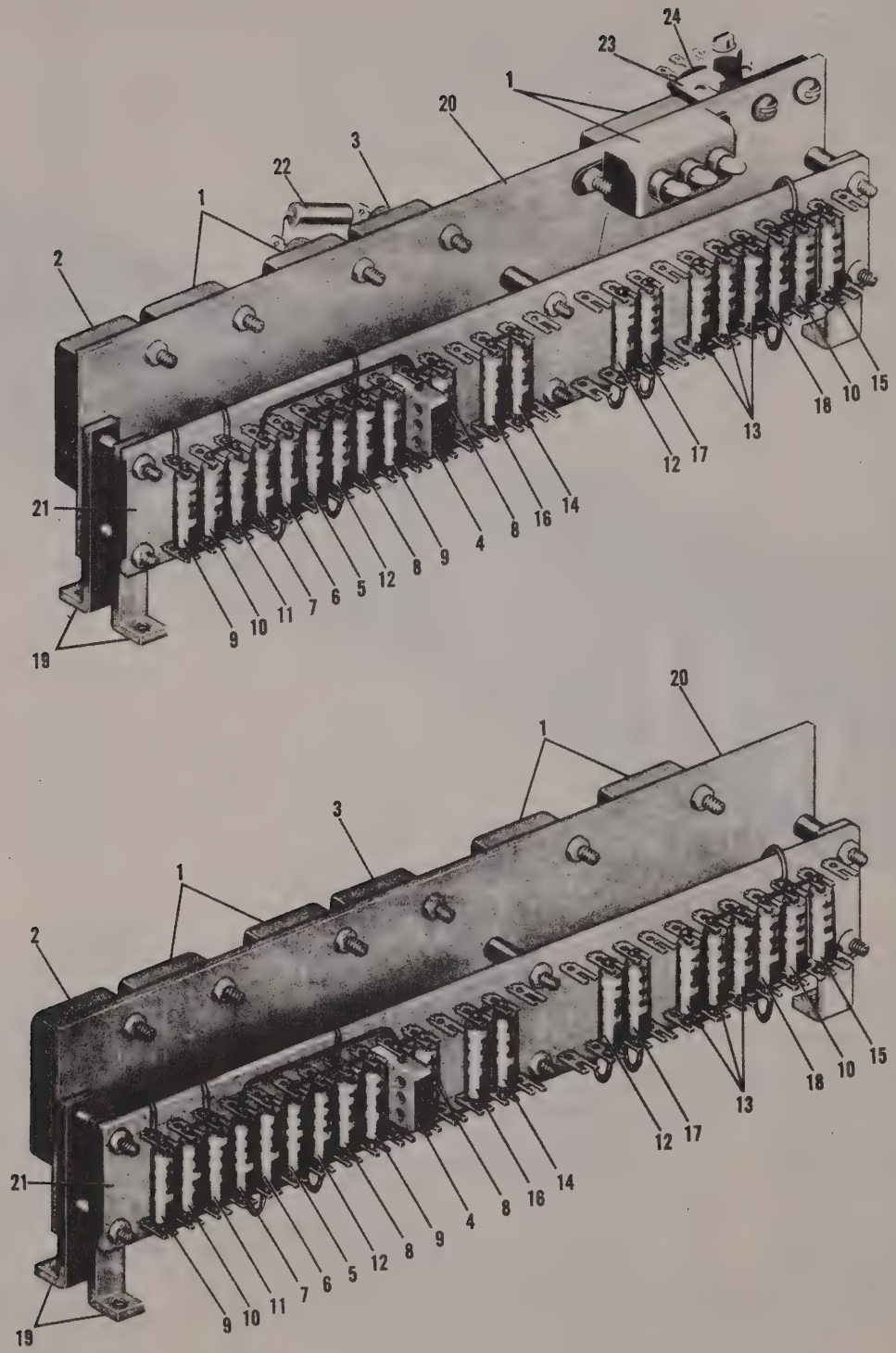


Figure 19. Resistor Board "F" Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
19-	618B-L-406	BOARD ASSY, Resistor, "F" (See figure 17-11 for next higher assembly)	Ref	
-1	CP54B4FG104V	. CAPACITOR, Fixed, paper dielectric, 2 section, 100,000 mmf ea section +20% -10%, 100V dc	4	
-2	CP54B1FB104K	. CAPACITOR, Fixed, paper dielectric, 100,000 mmf ±10%, 1000V dc	1	
-3	CE64C100N	. CAPACITOR, Fixed, electrolytic, 10 mf ±30%, 300 V dc	1	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 3/8 in. lg	12	
	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 6	12	
	COMM	. WASHER, Split type lock, stainless steel, No. 6	12	
	COMM	. NUT, Hex, stainless steel, No. 6-32	12	
		---*---		
-4	CM35A103K	. CAPACITOR, Fixed, mica dielectric, 10,000 mmf ±10%, 200V dc	1	
-5	RC42GF154K	. RESISTOR, Fixed, composition, 150,000 ohm ±10%, 2 w	1	
-6	RC42GF104K	. RESISTOR, Fixed, composition, 100,000 ohm ±10%, 2 w	1	
-7	RC30GF125K	. RESISTOR, Fixed, composition, 1.2 meg ±10%, 1 w	1	
-8	RC30GF683J	. RESISTOR, Fixed, composition, 68,000 ohm ±5%, 1 w	2	
-9	RC30GF683K	. RESISTOR, Fixed, composition, 68,000 ohm ±10%, 1 w	2	
-10	RC30GF224K	. RESISTOR, Fixed, composition, 220,000 ohm ±10%, 1 w	2	
-11	RC30GF335K	. RESISTOR, Fixed, composition, 3.3 meg ±10%, 1 w	1	
-12	RC30GF104K	. RESISTOR, Fixed, composition, 100,000 ohm ±10%, 1 w	2	
-13	RC42GF224K	. RESISTOR, Fixed, composition, 220,000 ohm ±10%, 2 w	3	
-14	RC42GF683J	. RESISTOR, Fixed, composition, 68,000 ohm ±5%, 2 w	1	
-15	RC42GF154J	. RESISTOR, Fixed, composition, 150,000 ohm ±5%, 2 w	1	
-16	RC30GF274K	. RESISTOR, Fixed, composition, 270,000 ohm ±10%, 1 w	1	
-17	RC30GF472K	. RESISTOR, Fixed, composition, 4,700 ohm ±10%, 1 w	1	
-18	RC42GF562K	. RESISTOR, Fixed, composition, 5,600 ohm ±10%, 2 w	1	
-19	54M-S-250	. SUPPORT, Resistor board, long	5	
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 1-1/8 in. lg	2	
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 1-1/4 in. lg	4	
	COMM	. WASHER, Internal teeth lock, phosphor bronze, Cd pl, No. 6	6	
	COMM	. WASHER, Split type lock, stainless steel, No. 6	6	
	5M-S-529-5/16	. SPACER, 5/16 in. lg	2	
	5M-S-529-7/16	. SPACER, 7/16 in. lg	2	
	5M-S-529-9/16	. SPACER, 9/16 in. lg	2	
	COMM	. NUT, Hex, stainless steel, No. 6-32	6	
		---*---		
-20	618B-M-318	. PLATE, Capacitor mtg insulator	1	
-21	618B-M-723-2	. BOARD, Resistor, "F"	1	
-22	RC30GF681K	. RESISTOR, Fixed, composition, 680 ohm, ±10%, 1 w	1	BC
-23	54M-S-112	. BRACKET, Padder	1	BC
		(ATTACHING PARTS)		
	COMM	. SCREW, Rd hd mach, stainless steel, No. 6-32 by 3/8 in. lg	2	
	COMM	. NUT, Hex, stainless steel, No. 6-32	2	
		---*---		
-24	RV4LATSA103A	. RESISTOR, Variable, 10,000 ohm ±10%, 1 w	1	BC

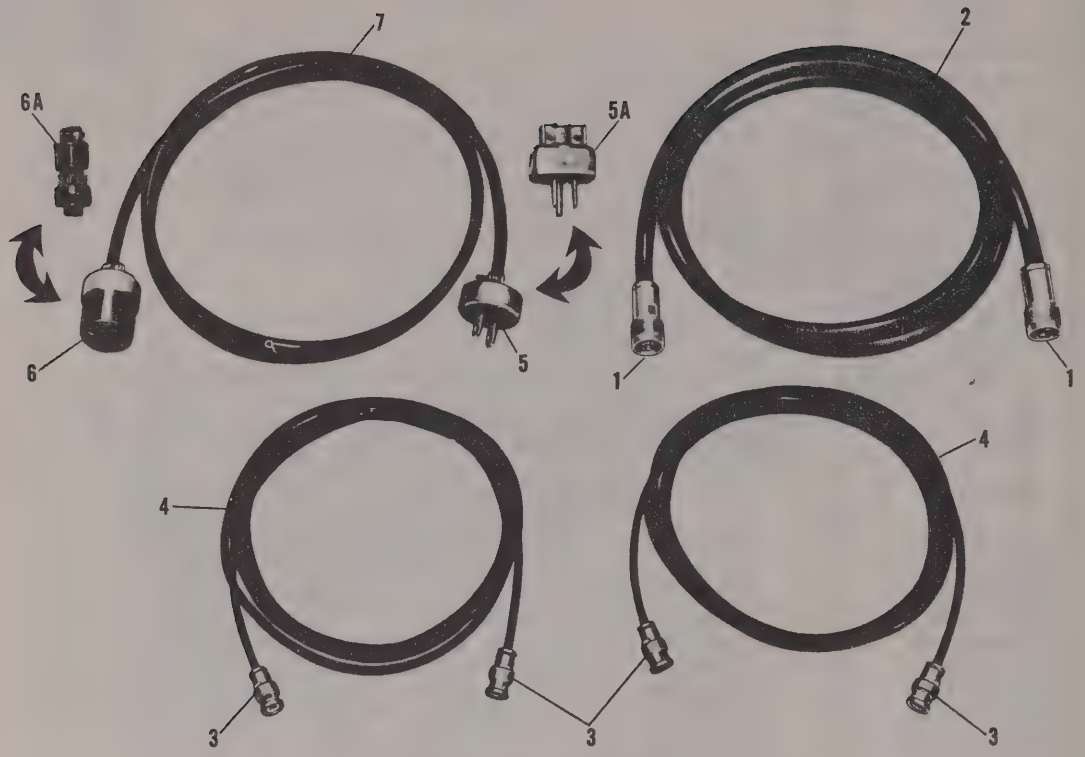


Figure 20. Cable Assemblies

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USABLE ON CODE
20-	CG-92D/U(6'0")	CABLE ASSY, RF (See figure 2-11 for next higher assembly)	Ref	
-1	UG-21D/U	. CONNECTOR	2	
-2	RG-9A/U	. CABLE, RF, 72 in. lg	1	
	CG-409/U(8'0")	CABLE ASSY, Video cord (See figure 2-12 for next higher assembly)	Ref	
-3	UG-88/U	. CONNECTOR	4	
-4	RG-58/U	. CABLE, RF, 98 in. lg	1	
	CX-337/U (6'0")	CABLE ASSY, Power (See figure 2-13 for next higher	Ref	A
	CX-3135/U(6'0")	CABLE ASSY, Power (See figure 2-13 for next higher assembly)	Ref	BC
-5	7057	. CONNECTOR, Male	1	A
-5A	920	. CONNECTOR, Male (APM)	1	BC
-6	7084	. CONNECTOR, Female	1	A
-6A	AN3106A-10SL-3S	. CONNECTOR, Female	1	BC

SECTION III
NUMERICAL INDEX

ASO STOCK NUMBER	USAF STOCK NUMBER	CLASS CODE	SNSN	PART NUMBER	SOURCE CODE	FIGURE & INDEX NO.	QUANTITY PER EQUIP.	MICRO FILM INDEX
R17B38713		3850		A-40D-533	P1 MO/N		1	
R16-AN-URM52-HWP				AN/URM-52		2-	1	
R16-AN-URM52A-HWP				AN/URM-52A		2-	1	
				AN3102A-10SL-3P		5A-1	1	
				AN3106A-10SL-3S		20-6A	1	
R17R5907-42	079 000 320	3380	N17-R-72971-2801	B 2040 (B 2140)	P1 MO/N	16-8	1	
		3850	N17-B-21191-975	B-3A-846		16-19	1	
R17DLC-BA8-5344 White	778 564	8850	N17-L-76737-2901	BA8-5344, Clear	P1 MO/S	5-6	1	
R17DLC-BA8-5344 Red			N17-L-76854-4324	BA8-5344, Red	P1 MO/S	5-7	1	
				C-7998-1420-3		17-17	4	
				CE64C100N		19-3	1	
				CG-409/U(8'0")		2-12	2	
				CG-92D/U(6'0")		2-11	1	
				CL-832-2		11-33	8	
	055 950 086	3330		CM20A050K		13-8	1	
			N16-C-29138-4471	CM20A181K		13-6	1	
R16JAN-CM20A270K	376 019 200	3360	N16-C-27080-9271	CM20A270K	P1 MO/N	12-1	3	
R16JAN-CM20B101K	376 002 000	3330	N16-C-28558-1676	CM20B101K	P1 MO/N	12-2	4	
	376 020 800	3330		CM20B271K		13-3	5	
		3330	N16-C-27366-1196	CM20B390K		13-2	1	
R16C9873-158-100	376 038 200	3330	N16-C-27766-7676	CM20B560K	P1 MO/N	13-4	1	
R16C10004-97-501	376 030 850	3330	N16-C-29898-3606	CM20D391J	P1 MO/N	13-5	1	
R16C10234-2	314 772 120	3330	N16-C-31670-6964	CM30B182K	P1 MO/N	15-7	1	
				CM30B222K		15-6	1	
	376 120 810	3330	N16-C-31085-3694	CM30D102J		13-7	4	
R16C10493-5	376 143 900	3330	N16-C-33622-5216	CM35A103K	P1 MO/N	13-1	6	
R16C10492-51	376 144 048	3330	N16-C-33617-4741	CM35B103J	P1 MO/N	15-2	2	
R16C10348-697		3330	N16-C-32646-6808	CM35B472K	P1 MO/N	14-3	1	
R16C10399-229-881	376 277 600	3330	N16-C-32647-8778	CM50B472K	P1 MO/N	11-6	2	
				CP07FA2		4-3	2	
				CP07FA3		17-8	2	
				CP07SA2		11-7	2	
				CP07SB6		16-3	6	
				CP07SC4		16-3	4	
				CP07SE3		16-3	4	
R16C11354-24-5	319 001 013	3330	N16-C-47297-3103	CP54B1FF504K	P1 MO/N	11-4	1	
R16JAN-CP54B1FG104K	317 760 014	3330		CP54B1FG104K	P1 MO/N	11-3	2	
R16JAN-CP54B4FG104V	317 760 046	3330		CP54B4FG104V	P1 MO/N	11-5	5	
R16C11707-190	319 001 093	3330	N16-C-46350-7108	CP55B1EG254K	P1 MO/N	11-2	3	

ASO STOCK NUMBER	USAF STOCK NUMBER	CLASS CODE	SNSN	PART NUMBER	SOURCE CODE	FIGURE & INDEX NO.	QUANTITY PER EQUIP.	MICRO FILM INDEX
R16C11665-800	317 276 500	3330	N16-C-50717-5952	CP70E1FF605K	P1 MO/N	16-1	3	
R16JAN-CP70E1FH254K	056 750 168	3330	N16-C-46352-6354	CP70E1FH254K	P1 MO/N	4-3	2	
R16JAN-CP70E1FH405K			N16-C-49962-8961	CP70E1FH405K	P1 MO/N	16-3	2	
R16JAN-CP70E1FJ405K	317 643 010	3330	N16-C-49964-5940	CP70E1FJ405K	P1 MO/N	16-2	2	
R16C4683-300	085 095	8850	N17-C-200964-601	CW-123/U	P1 MO/N	3-6	4	
				CX-337/U(6'0")		2-13	1	
				CX-3135/U(6'0")		2-13	1	
				CY-2109/URM-52A		2-	1	
				D168391		10-4	1	
R16P5595-190-008	394 390 800	3300	N16-R-88339-4327	JA 1052, P 3056	P1 MO/N	5-9	2	
		3350		JA 2031, P 3056		11-13	1	
R16P5597-37-80	801 300-9151	3350	N16-R-89405-6571	JJJU 1051, P 3056	P1 MO/N	11-9	1	
R16P5582-50-500	793 000-1821	3350	N16-R-87379-4310	JLU 1521, SD4040L	P1 MO/N	11-11	5	
R16P5585-35	793 000-2781	3350	N16-R-87732-5360	JLU 2032, SD4040L	P1 MO/N	17-2	5	
R16P5593-38-100	399 811 535	3300	N16-R-88079-4360	JLU 2541, SD4040L	P1 MO/N	11-10	2	
R16P5588-1	294 459 576	3300	N16-R-87849-4590	JLU 5031, SD4040L	P1 MO/N	7-3	4	
R16P5588-1	394 352 416	3300	N16-R-87349-4425	JU 1021, P 3056		5-10	1	
		3330	N17-S-50961-2351	LA-139A		3-13	1	
		3330	N17-S-50964-6784	LA-204A		4-21	1	
R17F14320-285	360 985	8800	N17-F-16320-255	MDL 3.2	P1 MO/N	5-2	4	
				N463FF			2	
R16R18635-100	380 413 000	3300	N16-R-78000-4431	RB40B130ROD	P1 MO/N	10-3	3	
				RC20GF101K		11-36	1	
R16JAN-RC20GF471K			N16-R-49769-0811	RC20GF471K	P1 MO/N	17-6	1	
R16JAN-RC30GF101J	381 316 020	3300	N16-R-49579-0751	RC30GF101J	P1 MO/N	18-1	1	
R16JAN-RC30GF102K			N16-R-49923-0231	RC30GF102K	P1 MO/N	14-5	1	
R16JAN-RC30GF103K			N16-R-50283-0231	RC30GF103K	P1 MO/N	13-13	4	
	381 316 220	3300	N16-R-50634-0231	RC30GF104K		7-2	7	
R16JAN-RC30GF105K			N16-R-50976-0231	RC30GF105K	P1 MO/N	14-11	3	
		3300	N16-R-49599-0231	RC30GF121K		10-2	1	
R16JAN-RC30GF122K			N16-R-49941-0231	RC30GF122K	P1 MO/N	15-17	3	
				RC30GF124K		15-21	1	
	131 000-8294	3350	N16-R-50994-0231	RC30GF125K		13-9	7	
R16JAN-RC30GF154K			N16-R-50679-0231	RC30GF154K	P1 MO/N	14-6	3	
			N16-R-50697-0231	RC30GF184K		14-15	1	
R16JAN-RC30GF222K			N16-R-50013-0231	RC30GF222K	P1 MO/N	12-7	3	
R16JAN-RC30GF224K			N16-R-50715-0231	RC30GF224K	P1 MO/N	19-10	2	
				RC30GF225K		13-17	1	
R16JAN-RC30GF271K			N16-R-49689-0231	RC30GF271K	P1 MO/N	13-15	1	
R16JAN-RC30GF272K			N16-R-50040-0231	RC30GF272K	P1 MO/N	13-11	1	
R16JAN-RC30GF274K			N16-R-50742-0231	RC30GF274K	P1 MO/N	12-5	3	
R16JAN-RC30GF335K			N16-R-51111-0231	RC30GF335K	P1 MO/N	19-11	1	
R16JAN-RC30GF392K			N16-R-50094-0231	RC30GF392K	P1 MO/N	12-3	3	
R16JAN-RC30GF471K		3300	N16-R-49770-0231	RC30GF471K	P1 MO/N	10-1	2	
R16JAN-RC30GF472K				RC30GF472K	P1 MO/N	14-12	3	
R16JAN-RC30GF473K			N16-R-50481-0231	RC30GF473K	P1 MO/N	12-9	9	

ASO STOCK NUMBER	USAF STOCK NUMBER	CLASS CODE	SNSN	PART NUMBER	SOURCE CODE	FIGURE & INDEX NO.	QUANTITY PER EQUIP.	MICRO FILM INDEX
R16JAN-RC30GF474K				RC30GF474K	P1 MO/N	12-8	5	
R16JAN-RC30GF564K			N16-R-50859-0231	RC30GF564K	P1 MO/N	12-6	1	
R16JAN-RC30GF681K			N16-R-49842-236	RC30GF681K	P1 MO/N	15-14	2	
R16JAN-RC30GF682K			N16-R-50202-0231	RC30GF682K	P1 MO/N	12-10	1	
R16JAN-RC30GF683J	381 320 620	3300	N16-R-50551-0751	RC30GF683J	P1 MO/N	19-8	2	
R16JAN-RC30GF683K	381 320 620	3300	N16-R-50553-0231	RC30GF683K	P1 MO/N	19-9	2	
R16R17310-21			N16-R-50283-556	RC42GF103K	P1 MO/N	12-4	5	
			N16-R-50634-451	RC42GF104K		19-6	1	
R16R17310-63-500			N16-R-50337-528	RC42GF153K	P1 MO/N	18-4	2	
R16R17349-7-730	381 602 005	3300	N16-R-50678-126	RC42GF154J	P1 MO/N	19-15	1	
R16R17349-25		3300	N16-R-50679-515	RC42GF154K	P1 MO/N	19-5	1	
R16R17310-97-500			N16-R-50355-481	RC42GF183K	P1 MO/N	15-15	1	
R16R17352-5-7			N16-R-50715-474	RC42GF224K	P1 MO/N	19-13	3	
R16R17276-3-5			N16-R-50040-491	RC42GF272K	P1 MO/N	14-13	2	
R16R17318-246			N16-R-50400-556	RC42GF273K	P1 MO/N	15-12	2	
R16R17279-2-4			N16-R-50067-501	RC42GF332K	P1 MO/N	18-3	4	
R16R17327-58	165 000-6221	3350	N16-R-50418-556	RC42GF333K	P1 MO/N	13-14	12	
				RC42GF393K		14-21	1	
R16R17281-186		3300	N16-R-50130-549	RC42GF472K	P1 MO/N	7-5	2	
R16R17291-74-11			N16-R-50166-508	RC42GF562K	P1 MO/N	19-18	1	
R16R17293-59-18		3300	N16-R-50202-556	RC42GF682K	P1 MO/N	7-4	2	
	381 604 671	3300	N16-R-50552-126	RC42GF683J		19-14	1	
				RG-55/U		6-14	1	
R16C1532-11				RG-58/U	P1 MO/N	3-2	AR	
				RG-9A/U		20-2	1	
				RV4LATSA103A		17-7	2	
R16JAN-RW21G801	385 285 000	3300	N16-R-65975-3731	RW21G801	P1 MO/N	17-1	2	
R16JAN-RW21J452	522 000-5751	3300		RW21J452	P1 MO/N	17-3	1	
R16JAN-RW21J502	385 285 440	3300	N16-R-66251-2529	RW21J502	P1 MO/N	17-4	1	
R77B115-00402-0000	300 006	3400		S1K	P1 O/N	8-71	2	
R77B115-00409-1000	300 190	3400	G77-B-115-00409-1000	S1KD7	P1 O/N	9-32	1	
R77B115-00619-2004	300 088	3400	G77-B-115-00619-2000	S3KDD	P1 O/N	9-19	1	
				TS-621/U		2-	1	
				TS-621A/U		2-	1	
R16JAN-TS101C01	892 200	8850		TS-621B/U	P1 MO/N	2-	1	
R16JAN-TS101C01	892 200	8850		TS101C01	P1 MO/N	17-14	6	
R16JAN-TS102P01	882 880	8850	N16-S-34520-3864	TS102P01	P1 MO/N	11-25	11	
R16JAN-TS102U01	774 000-1925	3370	N16-S-34520-3864	TS102U01	P1 MO/N	11-16	3	
R16JAN-TS102U02	774 000-1955	3370	N16-S-34557-8351	TS102U02	P1 MO/N	11-17	4	
R16JAN-TS102U03	774 000-1975	3370	N16-S-34607-6039	TS102U03	P1 MO/N	16-10	4	
R16JAN-TS103P01	896 590	8850		TS103P01	P1 MO/N	11-26	10	
R16JAN-TS103U02	774 000-2185	3370	N16-S-34576-6514	TS103U02	P1 MO/N	11-18	9	
R16JAN-TS103U03	774 000-2185	3370	N16-S-34621-5205	TS103U03	P1 MO/N	11-19	1	
				Type A		8-86	1	
				UG-21D/U		20-1	2	
R16R2435-1	654 440	8850	N17-C-73108-1262	UG-291/U	P1 MO/N	3-2	4	
R16P3627-375				UG-88/U	P1 MO/N	20-3	4	
N16T52001	234 005 100	3370	N16-T-52001	OA2		16-14	5	
				OA2WA		16-14	5	
N16T53030	234 005 400	3370	N16-T-53030	OA3		16-15	1	
G41W2444			N14-W-2444-10	050	P1 MO/N		1	
		3320		1023-04-3/4"		11-37	1	
				115N030T		16-8	1	
N16T58240-10	316 000 1365	3370	N16-T-58240-10	12AT7		11-20	2	

ASO STOCK NUMBER	USAF STOCK NUMBER	CLASS CODE	SNSN	PART NUMBER	SOURCE CODE	FIGURE & INDEX NO.	QUANTITY PER EQUIP.	MICRO FILM INDEX
				12AT7WA		11-20	2	
				140-13		16-18A	2	
				146-51		8-72A	2	
				1471		10-3	3	
				1550		8-76	2	
R17T7566	063 900 820	3340	N17-T-74259-8192	910-89	P1 MO/N	16-4	1	
R16R1950	062 451 970	3340		16904	P1 MO/N	16-6	2	
R16R1949	062 451 960	3340		16905	P1 MO/N	16-7	1	
				170575	X1		1	
R17T7565	063 900 810	3340	N17-T-74326-4565	910-90	P1 MO/N	16-5	1	
				1902		10-5	2	
R17B21178-5			N17-B-77536-3305	2-142-3/4W	P1 MO/N	4-6	1	
N16T52421-50	448 000-2295	3370	N16-T-52421	2D21		11-23	1	
R16K4315		3320	N16-K-700084-376	214	P1 MO/N	5-12	2	
				239-35A		8-72B	4	
R16T2265	394 186 075	3300	N16-R-85039-3251	27D2	P1 MO/N	10-11	1	
R77B115-00309-0000		3400	G77-B-115-00309-0000	33K5	P1 O/N	9-5	2	
G41W2449			N41-W-2449-15	332	P1 MO/N		1	
		8870	N17-F-74266-9052	342003-SA-1		5-3,5A-3	4	
		8870	N17-C-201334-841	342003-SA-2		5-4,5A-4	4	
				36-98		8-72C	4	
				38-87		6-12	2	
				4029		4-20	2	
G17L6297	444 163	8800	N17-L-6297	47	P1 MO/N	5-5,5A-5	2	
R17R2029-20	494 340	8850	N17-C-73448-7320	4891	P1 MO/N	5-1,5A-1	1	
R16HWP-5ME519		7CHQ	N17-G-159287-537	5M-E-519	P1 MO/N	2-2	1	
R16HWP-5ML848				5M-L-848	P1 MO/N	2-1	4	
R16HWP-5ML849				5M-L-849	P1 MO/N	2-7	4	
		7CHQ	*N16-C-599931-201	5M-S-397	M1	8-6	6	
		7CHQ	*N17-W-186601-101	5M-S-465	M1	9-48	4	
				5M-S-529-1-3/16		8-80	3	
				5M-S-529-3/16		7-6	4	
				5M-S-529-3/8		8-20	3	
				5M-S-529-5/16		14-19	4	
				5M-S-529-7/16		19-19	2	
				5M-S-529-9/16		19-19	2	
		7CHQ	*	5M-S-533	P1 MO/N	2-6	1	
R16HWP-5MS533		3320	N16-K-700362-219	5M-S-564	P1 MO/N	5-13	2	
R16HWP-5MS564		3320	N16-K-700314-436	5M-S-565	P1 MO/N	5-11	2	
R16HWP-5MS565		7CHQ	N17-P-400581-101	5M-S-862		16-20	1	
		7CHQ	N17-M-78695-7403	5M-S-863		16-20	1	
				5R4WGB		16-11	3	
				5R4WGY		16-11	3	
N16T55446	234 355 100	3370	N16-T-55446	50M-L-224	P1 MO/S	5-22,5A-22	1	
R16HWP-5ML224		0801	N17-M-22754-2001					

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ASO STOCK NUMBER	USAF STOCK NUMBER	CLASS CODE	SNSN	PART NUMBER	SOURCE CODE	FIGURE & INDEX NO.	QUANTITY PER EQUIP.	MICRO FILM INDEX
				50M-S-131		6-7	1	
R16HWP-50MS149		7CHQ	*N17-S-46720-8451	50M-S-149	P1 MO/N	8-4	8	
R16HWP-50MS212			*N16-C-650001-833	50M-S-212	P1 MO/N	5-18,5A-18	1	
R16HWP-50MS216		7CHQ	*N17-C-98432-4669	50M-S-216	P1 MO/S	4-28	10	
R16HWP-50MS242	879 500-7611	3350	N16-R-91831-9260	50M-S-242	P1 MO/S	8-17	1	
R16HWP-50MS245		7CHQ	*N16-G-431530-408	50M-S-245	P1 O/N	9-50	1	
R16HWP-50MS247		7CHQ	*N16-G-431530-383	50M-S-247	P1 O/N	9-49	1	
R16HWP-50MS248		7CHQ	*N16-G-431616-400	50M-S-248	P1 O/N	9-17	1	
R16HWP-50MS249		7CHQ	*N16-G-431616-181	50M-S-249	P1 O/N	9-14	1	
R16HWP-50MS250		7CHQ	*N16-G-431210-343	50M-S-250	P1 O/N	9-55	1	
R16HWP-50MS251			*N16-G-431210-346	50M-S-251	P1 O/N	9-54	1	
				50M-S-264		9-26	2	
			*N17-I-77201-8169	50M-S-273	M	10-10	1	
			*N17-I-77201-8163	50M-S-274	M	10-9	1	
		7CHQ	*	50M-S-275	M1	8-33	2	
		7CHQ		50M-S-281			1	
				50M-S-290		4-29	5	
				50M-S-635		8-85	1	
R42R2800				5100-25	P1 MO/N	2-9	1	
				512-104		9-62	1	
				512-50		9-61	1	
				512-55		9-63	1	
				54M-M-44-7-9		8-88	1	
R16HWP-54MS103			N16-N-88051-4376	54M-S-103	P MO/N	4-9	1	
				54M-S-107		4-27	5	
				54M-S-112		19-23	1	
				54M-S-140		8-21	1	
R16HWP-54MS200		8850		54M-S-200	P1 MO/N	6-1	1	
				54M-S-202		6-10	1	
				54M-S-203-A		6-8	1	
				54M-S-204		6-9	1	
				54M-S-205		6-13	1	
R16HWP-54MS207				54M-S-207	P1 MO/N	6-11	1	
			*N16-P-403561-155	54M-S-228	M1	5-17,5A-17	1	
			N16-B-750001-916	54M-S-250	M1	14-19	13	
				54M-S-295		5A-30	1	
				54M-S-304		8-6	2	
				54M-S-373		5A-34	1	
				54M-S-374		5A-11	1	
				54M-S-380		5A-12	2	
				54M-S-383		5A-13	2	
				54M-S-396		5A-35	1	
		7CHQ	*N16-S-20891-5271	56M-M-101-1	M1	4-26	5	
		7CHQ	*N16-S-20985-2661	56M-M-102-7	M1	9-57	1	

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		7CHQ	*N16-S-20895-3921	56M-M-102-13	M1	8-14	1	
			*N16-S-20965-7639	56M-M-102-21	M1	8-24	1	
				56M-M-108-1		3-7	3	
G41W2446			G41-W-2446	564	P1 MO/N		1	
N16T75726	259 000-5795	3370	N16-T-75726	5726 (6AL5W)		11-21	3	
N16T75763	286 000-5765	3370	N16-T-75763	5763		11-24	1	
N16T75814	265 000-5815	3370	N16-T-75841	5814		11-22	7	
N16T56202	234 454 125	3370	N16-T-56202	6AS7		16-13	3	
N16T56203-60	234 454 300	3370	N16-T-56203-50	6AU6		16-12	3	
				6AU6WA		16-12	3	
N16T56203-60	234 454 300	3370	N17R-51114-3184	6RS5AH26		17-8	1	
				608D-S-367		8-87	1	
				6080WA		16-13	3	
		7CHQ	*N16-P-403561-156	616A-S-3082	M1	5-29,5A-29	1	
		3320	*N16-H-900065-801	616A-S-3085		5-30	1	
		3320	*N16-P-404641-220	616A-S-3086	M1		1	
			*N17-I-64046-1098	616A-S-3089	M	10-5	1	
		7CHQ	*N16-S-118401-232	616A-S-347	M1	5-25,5A-25	3	
			*N16-P-403981-120	616A-S-348	M1	5-26,5A-26	3	
			*N16-C-599651-143	616A-S-349	M1	5-24,5A-24	3	
			*N16-C-600001-406	616A-S-355	M1	5-42,5A-	4	
				618B-E-103		2-8	1	

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				618B-E-104		2-5	1	
R16AN-URM52 HWP				618B-E-106	P1 MO/R	2-9	1	
				618B-E-107	A1	3-1	1	
				618B-E-109	A1	3-12	1	
				618B-E-111	A1	3-11	1	
				618B-E-112	A1	4-4	1	
				618B-E-117		2-10	1	
R16HWP-618BE119		7CHQ		618B-E-119	P1 MO/R	2-1 to 2-8	1	
				618B-E-301		17-23	1	
				618B-E-302		17-21	1	
				618B-E-303		17-22	1	
				618B-E-305		5-33,5A-33	1	
				618B-E-308		11-35	1	
				618B-E-413		7-1	1	
				618B-E-415		11-1	1	
				618B-L-113	A1	4-23	1	
R16HWP-618BL116		7CHQ		618B-L-116	P1 MO/S	4-14	1	
				618B-L-309		4-25	1	
				618B-L-335		9-59	1	
				618B-L-352		8-77	1	
				618B-L-355		8-1	1	
				618B-L-372	X1	8-38	1	
		7CHQ		618B-L-383		8-43	1	
				618B-L-403	M	11-29	1	
				618B-L-404	M	11-30	1	
			*	618B-L-406	M	17-10	1	
			*	618B-L-407	M	4-2	1	
				618B-L-414		4-8	1	
				618B-L-416-1		3-2	1	
				618B-L-416-2		3-3	1	
				618B-L-416-3		3-4	1	
				618B-L-416-4		3-5	1	
R16HWP-618BL733		7CHQ		618B-L-733	P1 O/S	8-37 to 8-47	1	
R16HWP-617BM114		7CHQ	N16-A-98986-1141	618B-M-114	P1 MO/N	4-1	1	
R16HWP-618BM3030			*N16-C-650001-832	618B-M-3030	P1 MO/N	5-28,5A-28	1	
R16HWP-618BM3038		3320	*	618B-M-3038	P1 MO/S	5-23	1	
				618B-M-304		17-16	1	
R16HWP-618BM3049			N16-F-44000-2002	618B-M-3049	P1 MO/N	8-34	1	
		7CHQ	N16-L-77441-1043	618B-M-3082			1	
				618B-M-317		17-20	1	
			*N16-P-403502-162	618B-M-318		19-20	1	

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ASO STOCK NUMBER	USAF STOCK NUMBER	CLASS CODE	SNSN	PART NUMBER	SOURCE CODE	FIGURE & INDEX NO.	QUANTITY PER EQUIP.	MICRO FILM INDEX
		7CHQ		618B-M-392	X1	8-44	1	
				618B-M-401	M	11-27	1	
				618B-M-402	M	11-28	1	
				618B-M-405	M	17-9	1	
				618B-M-408	M	4-24	1	
				618B-M-701		5-27,5A-27	1	
				618B-M-702		2-4	1	
			N17-B-78326-5684	618B-M-723-2	M	19-21	1	
				618B-M-730		2-3	1	
R16HWP-618BS115		7CHQ		618B-S-115	P1 MO/N	4-22	1	
				618B-S-3001		8-55	1	
				618B-S-3002		8-31	2	
				618B-S-3003		8-28	2	
				618B-S-3005		8-64	1	
				618B-S-3006		8-53	2	
R16HWP-618BS3007		7CHQ		618B-S-3007	P1 MO/N	8-73	1	
			*	618B-S-3011	M	10-8	1	
			N16-B-750001-914	618B-S-3012	M	7-7	4	
				618B-S-3013		10-5	4	
				618B-S-3014		9-2	1	
R16HWP-618BS3015		3370	N17-C-79440-9491	618B-S-3015	P1 MO/S	4-18	1	
R16HWP-618BS3016		7CHQ	N16-N-87901-1042	618B-S-3016	P1 MO/S	4-16	1	
R16HWP-618BS3017		3400	N16-R-503580-286	618B-S-3017	P1 MO/S	4-15	1	
			*N16-H-150001-348	618B-S-3018	M1	5-32,5A-32	2	
R16HWP-618BS3019		7CHQ	N17-S-46762-3241	618B-S-3019	P1 MO/N	4-19	1	
				618B-S-3023		6-4	1	
				618B-S-3026		6-2	1	
				618B-S-3027		6-6	1	
				618B-S-3028		6-5	1	
R16HWP-618BS3029		3320	N16-S-117101-802	618B-S-3029	P1 MO/N	5-31,5A-31	1	
R16HWP-618BS3031		3320	N16-S-117101-804	618B-S-3031	P1 MO/N	5-20,5A-20	1	
R16HWP-618BS3032		3320	*N16-H-900065-601	618B-S-3032	P1 O/S	5-19	1	
		3320	*N16-P-402001-111	618B-S-3033		5-21,5A-21	1	
R16HWP-618BS3034-1		3320	*N16-D-46343-6722	618B-S-3034-1	P1 MO/N	5-14	1	
R16HWP-618BS3034-2		3320	*N16-D-46343-6832	618B-S-3034-2	P1 MO/N	5-15	1	
R16HWP-618BS3034-3		3320	*N16-D-46343-6711	618B-S-3034-3	P1 MO/N	5-16	1	
				618B-S-3044		5-17	2	
		7CHQ		618B-S-3046		5-17,5A-	1	
		7CAC	N16-F-44000-2002	618B-S-3049		8-34	1	
R16HWP-618BS3053			*N16-C-650001-816	618B-S-3053	P1 MO/S	4-12	1	
				618B-S-3081		11-32	1	
		7CHQ	*N17-F-44265-7334	618B-S-3086		8-37	1	
		7CHQ	N16-C-146781-101	618B-S-3087			1	

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				618B-S-3088		8-21	1	
		7CHQ	*N16-G-433450-499	618B-S-3091		8-11	1	
		7CHQ	N16-G-433130-566	618B-S-3092		8-8	1	
				618B-S-310		17-11	1	
				618B-S-3105		9-50	1	
				618B-S-3106		9-14	1	
				618B-S-3109		9-49	1	
				618B-S-311		17-12	2	
				618B-S-3110		9-17	1	
				618B-S-3111		9-55	1	
				618B-S-3112		9-54	1	
R16HWP-618BS312				618B-S-312	P1 O/S	17-18	2	
				618B-S-3129		8-15A	1	
R16HWP-618BS313				618B-S-313	P1 O/S	17-19	2	
				618B-S-3130		4-30	1	
				618B-S-3133		5A-23	1	
			*N16-M-84134-2086	618B-S-314	M1	17-15	1	
			*N17-I-64197-1535	618B-S-315	M	4-7	1	
			*N17-I-64194-7867	618B-S-316	M1	11-34	1	
			*	618B-S-319	M	7-8	1	
				618B-S-320		4-23	1	
				618B-S-321		4-4	1	
R16HWP-618BS332				618B-S-332	P1 MO/N	2-9	4	
			*	618B-S-336		9-4	1	
		7CHQ	*N17-H-76741-1018	618B-S-337	M1	9-10	2	
		7CHQ	*N16-B-800340-993	618B-S-338	M1	9-20	1	
		7CHQ	*N16-S-21226-1260	618B-S-339	M1	9-31	1	
R16HWP-618B35FL		7CHQ	*N17-S-46761-6651	618B-S-342-L	P1 MO/N	9-7	1	
R16HWP-618B35FS		7CHQ	*N17-S-46759-6851	618B-S-342-S	P MO/N	9-6	1	
		7CHQ	*N16-H-900081-251	618B-S-343	M1	9-43	1	
				618B-S-344		9-35	1	
		7CHQ	*N16-S-21013-2662	618B-S-345	M1	9-45	1	
		7CHQ	*N16-S-20985-2671	618B-S-346	M1	9-52	1	
R16HWP-618BS347		7CHQ	*N16-G-433130-395	618B-S-347	P1 O/N	9-25	1	
R16HWP-618BS348		7CHQ	*N16-G-433130-399	618B-S-348	P1 O/N	9-33	1	
R16HWP-618BS349		7CHQ	*N16-G-433130-405	618B-S-349	P1 O/N	9-29	1	
R16HWP-618B35PS		7CHQ	*N16-G-423808-506	618B-S-351-2-5/16	P1 O/N	9-12	1	
R16HWP-618B35PL		7CHQ	*N16-G-423948-506	618B-S-351-3-5/8	P1 O/N	9-13	1	
			*N16-S-21039-9977	618B-S-353	X1		1	
			*N16-N-89043-1009	618B-S-354-LH	X1		1	
			*N16-N-89043-1010	618B-S-354-RH	X1		1	
			*N16-C-600001-409	618B-S-356	M1	8-68	2	
				618B-S-357		8-48	4	
				618B-S-358		8-52	6	
				618B-S-359		8-54	1	

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ASO STOCK NUMBER	USAF STOCK NUMBER	CLASS CODE	SNSN	PART NUMBER	SOURCE CODE	FIGURE & INDEX NO.	QUANTITY PER EQUIP.	MICRO FILM INDEX
R16HWP-618BS360		7CHQ	*N17-S-46701-6651	618B-S-360	P1 MO/N	8-60	1	
			*N16-S-685461-115	618B-S-361	M1	8-59	1	
R16HWP-618BS362			*N17-S-46761-7446	618B-S-362	P MO/M	8-25	2	
			*N16-R-500371-277	618B-S-363	M1	8-69	2	
R16HWP-618BS364		7CHQ	*N16-G-431530-384	618B-S-364	P1 O/N	8-15	1	
R16HWP-618BS366		7CHQ	*N16-G-433450-471	618B-S-366	P1 O/N	8-12	1	
R16HWP-618BS370		7CHQ	*N16-G-435001-524	618B-S-370	P1 O/N	8-9	1	
				618B-S-371		8-32	2	
		7CHQ	*	618B-S-382	M1	8-41	2	
				618B-S-391		8-42	1	
				618B-S-395	X1	8-46	1	
R17HWP-618BS409		3360	N17-S-65063-9624	618B-S-409	P1 MO/N	11-14	1	
R17HWP-618BS410		3360	N17-S-66211-3372	618B-S-410	P1 MO/N	11-15	1	
R16HWP-618BS704	060 704 330	3340	N16-C-75663-5501	618B-S-704	P1 MO/N	14-18	1	
R16HWP-618BS715		7CHQ	N17-C-98378-4114	618B-S-715	P1 MO/N	3-9	1	
			*N17-B-78222-6448	618B-S-716	M	12-11	1	
			*N17-B-78252-8876	618B-S-717	M	13-16	1	
			*N17-B-77735-7506	618B-S-718		10-6	1	
			*N17-B-78232-7189	618B-S-719	M	18-5	1	
			*N17-B-78232-7189	618B-S-720		14-20	1	
			*	618B-S-721		15-23	1	
			N17-B-77934-3532	618B-S-722		7-6	1	
R16HWP-618BS724		7CHQ		618B-S-724	P1 MO/N	8-45	1	
			*N16-S-20985-2666	618B-S-727	M1	3-7	4	
			*N16-S-20881-7166	618B-S-728-1	M1	3-10	1	
			*N16-S-20913-4331	618B-S-728-2	M1	3-8	1	
R16HWP-618BS732		7CHQ		618B-S-732	P1 O/N	8-72	1	
		7910		618B-S-740		11-31	1	
		7CHQ	*N16-G-433130-408	618B-S-741		9-36 to 9-42	1	
			N41-W-2450-75	618B-S-747			1	
	274 000-5935	3370		6236		4-17	1	
R17B21179-8			N17-B-77789-2240	7-164-3/4W	P1 MO/N	4-5	1	
R17P4457				7057	P1 MO/N	20-5	1	
R17P4455				7084	P1 MO/N	20-6	1	
R16S6148-20	874 946	8850	N17-C-73408-6810	78-S4S	P1 MO/N	4-13	1	
				81410-131		5A-7	1	
				81410-137		5A-6	1	
R17S28225-243	074 033 150	3360	N17-S-74139-4844	82305B	P1 MO/N	5-8,5A-8	1	
				920		20-5A	1	
R16C19578	287 172 860	3300	N16-C-300798-452	926A	P1 MO/N	16-16	1	
R16C19628	291 697 089	3300	N16-C-300798-621	926B	P1 MO/N	16-17	1	
R16C19582		3370	N16-C-300798-866	926C	P1 MO/N	16-18	5	

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SECTION IV

REFERENCE DESIGNATION INDEX

REFERENCE DESIGNATION	FIGURE INDEX	ASO STOCK NUMBER	SOURCE CODE	PART NUMBER	USAF STOCK NUMBER	CLASS CODE	SNSN
B-301	16-19			B-3A-846		3850	N17-B-21191-975
B-301A		R17B38713	P1 MO/N	A-40D-533		3850	
C-101	11-2	R16C11707-190	P1 MO/N	CP55B1EG254K	319 001 093	3330	N16-C-46350-7108
C-102	13-1	R16C10493-5	P1 MO/N	CM35A103K	376 143 900	3330	N16-C-33622-5216
C-103	13-6			CM20A181K			N16-C-29138-4471
C-104	13-7			CM30D102J	376 120 810	3330	N16-C-31085-3694
C-105	13-7			CM30D102J	376 120 810	3330	N16-C-31085-3694
C-106	15-2	R16C10492-51	P1 MO/N	CM35B103J	376 144 048	3330	N16-C-33617-4741
C-107	13-7			CM30D102J	376 120 810	3330	N16-C-31085-3694
C-108	15-6			CM30B222K			
C-109	13-7			CM30D102J	376 120 810	3330	N16-C-31085-3694
C-110	15-2	R16C10492-51	P1 MO/N	CM35B103J	376 144 048	3330	N16-C-33617-4741
C-111	12-2	R16JAN-CM20B101K	P1 MO/N	CM20B101K	376 002 000	3330	N16-C-28558-1676
C-112	13-2			CM20B390K		3330	N16-C-27366-1196
C-113	13-8			CM20A050K	055 950 086	3330	
C-114	13-4	R16C9873-158-100	P1 MO/N	CM20B560K	376 038 200	3330	N16-C-27766-7676
C-115	13-1	R16C10493-5	P1 MO/N	CM35A103K	376 143 900	3330	N16-C-33622-5216
C-116	12-1	R16JAN-CM20A270K	P1 MO/N	CM20A270K	376 019 200	3360	N16-C-27080-9271
C-117	12-2	R16JAN-CM20B101K	P1 MO/N	CM20B101K	376 002 000	3330	N16-C-28558-1676
C-118	11-3	R16JAN-CP54B1FG104K	P1 MO/N	CP54B1FG104K	317 760 014	3330	
C-119	13-3			CM20B271K	376 020 800	3330	
C-120	13-5	R16C10004-97-501	P1 MO/N	CM20D391J	376 030 850	3330	N16-C-29898-3606
C-121	13-1	R16C10493-5	P1 MO/N	CM35A103K	376 143 900	3330	N16-C-33622-5216
C-122	12-1	R16JAN-CM20A270K	P1 MO/N	CM20A270K	376 019 200	3360	N16-C-27080-9271
C-123	11-2	R16C11707-190	P1 MO/N	CP55B1EG254K	319 001 093	3330	N16-C-46350-7108
C-124	13-1	R16C10493-5	P1 MO/N	CM35A103K	376 143 900	3330	N16-C-33622-5216
C-125	13-1	R16C10493-5	P1 MO/N	CM35A103K	376 143 900	3330	N16-C-33622-5216
C-126	15-7	R16C10234-2	P1 MO/N	CM30B182K	314 772 120	3330	N16-C-31670-6964
C-127	13-3			CM20B271K	376 020 800	3330	
C-128	12-1	R16JAN-CM20A270K	P1 MO/N	CM20A270K	376 019 200	3360	N16-C-27080-9271
C-129	13-3			CM20B271K	376 020 800	3330	
C-130	14-3	R16C10348-697	P1 MO/N	CM35B472K		3330	N16-C-32646-6808
C-131	13-1	R16C10493-5	P1 MO/N	CM35A103K	376 143 900	3330	N16-C-33622-5216
C-132	13-3			CM20B271K	376 020 800	3330	
C-133	11-6	R16C10399-229-881	P1 MO/N	CM50B472K	376 277 600	3330	N16-C-32647-8778
C-134	11-6	R16C10399-229-881	P1 MO/N	CM50B472K	376 277 600	3330	N16-C-32647-8778
C-135	11-4	R16C11354-24-5	P1 MO/N	CP54B1FF504K	319 001 013	3330	N16-C-47297-3103
C-136	4-3	R16JAN-CP70E1FH254K	P1 MO/N	CP70E1FH254K	056 750 168	3330	N16-C-46352-6354

REFERENCE DESIGNATION	FIGURE INDEX	ASO STOCK NUMBER	SOURCE CODE	PART NUMBER	USAF STOCK NUMBER	CLASS CODE	SNSN
C-137	11-5	R16JAN-CP54B4FG104V	P1 MO/N	CP54B4FG104V	317 760 046	3330	
C-138	12-2	R16JAN-CM20B101K	P1 MO/N	CM20B101K	376 002 000	3330	N16-C-28558-1676
C-139	13-3			CM20B271K	376 020 800	3330	
C-140	12-2	R16JAN-CM20B101K	P1 MO/N	CM20B101K	376 002 000	3330	N16-C-28558-1676
C-141	11-2	R16C11707-190	P1 MO/N	CP55B1EG254K	319 001 093	3330	N16-C-46350-7108
C-142	4-3	R16JAN-CP70E1FH254K	P1 MO/N	CP70E1FH254K	056 750 168	3330	N16-C-46352-6354
C-301	16-1	R16C11665-800	P1 MO/N	CP70E1FF605K	317 276 500	3330	N16-C-50717-5952
C-302	16-1	R16C11665-800	P1 MO/N	CP70E1FF605K	317 276 500	3330	N16-C-50717-5952
C-303	11-5	R16JAN-CP54B4FG104V	P1 MO/N	CP54B4FG104V	317 760 046	3330	
C-304	16-1	R16C11665-800	P1 MO/N	CP70E1FF605K	317 276 500	3330	N16-C-50717-5952
C-305	13-1	R16C10493-5	P1 MO/N	CM35A103K	376 143 900	3330	N16-C-33622-5216
C-306	16-2	R16JAN-CP70E1FJ405K	P1 MO/N	CP70E1FJ405K	317 643 010	3330	N16-C-49964-5940
C-307	16-2	R16JAN-CP70E1FJ405K	P1 MO/N	CP70E1FJ405K	317 643 010	3330	N16-C-49964-5940
C-308	11-5	R16JAN-CP54B4FG104V	P1 MO/N	CP54B4FG104V	317 760 046	3330	
C-309	11-3	R16JAN-CP54B1FG104K	P1 MO/N	CP54B1FG104K	317 760 014	3330	
C-310 (unassigned)							
C-311	16-3	R16JAN-CP70E1FH405K	P1 MO/N	CP70E1FH405K			N16-C-49962-8961
C-312	16-3	R16JAN-CP70E1FH405K	P1 MO/N	CP70E1FH405K			N16-C-49962-8961
C-313	11-5	R16JAN-CP54B4FG104V	P1 MO/N	CP54B4FG104V	317 760 046	3330	
C-314	11-5	R16JAN-CP54B4FG104V	P1 MO/N	CP54B4FG104V	317 760 046	3330	
C-315	19-3			CE64C100N			
CR-301	17-8			6RS5AH26		3370	N17-R-51114-3184
E-101	3-1		A1	618B-E-107, 618B-E-108			
E-102	5-11	R16HWP-5MS565	P1 MO/N	5M-S-565 54M-S-374		3320	N16-K-700314-436
E-103	5-11	R16HWP-5MS565	P1 MO/N	5M-S-565 54M-S-373		3320	N16-K-700314-436
E-104	5-13	R16HWP-5MS564	P1 MO/N	5M-S-564 54M-S-383		3320	N16-K-700362-219
E-105	5-13	R16HWP-5MS564	P1 MO/N	5M-S-564 54M-S-383		3320	N16-K-700362-129
E-106	5-12	R16K-4315	P1 MO/N	214 54M-S-380		3320	N16-K-700084-376
E-107	5-12	R16K-4315	P1 MO/N	214 54M-S-380		3320	N16-K-700084-376
E-108	4-22	R16HWP-618BS115	P1 MO/N	618B-S-115		7CHQ	
E-109	4-7		M	618B-S-315			*N17-I-64197-1535
E-110	4-1	R16HWP-618BM114	P1 MO/N	618B-M-114		7CHQ	N16-A-98986-1141

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REFERENCE DESIGNATION	FIGURE INDEX	ASO STOCK NUMBER	SOURCE CODE	PART NUMBER	USAF STOCK NUMBER	CLASS CODE	SNSN
E-111	8-34	R16HWP-618BM3049	P1 MO/N	618B-M-3049			N16-F-44000-2002
E-112	7-8		M	618B-S-319			*
E-113	10-8		M	618B-S-3011			*
E-114	10-5		M	616A-S-3089			*N17-I-64046-1098
E-115	3-11		A1	618B-E-111			
E-116	11-34		M1	618B-S-316			*N17-I-64194-7867
E-117	3-12		A1	618B-E-109			
E-118				618B-M-723-1			
E-119	17-15		M1	618B-S-314			*N16-M-84134-2086
E-120	5A-35			54M-S-396			
F-301	5-2	R17F14320-285	P1 MO/N	MDL 3.2	360 985	8800	N17-F-16320-255
F-302	5-2	R17F14320-285	P1 MO/N	MDL 3.2	360 985	8800	N17-F-16320-255
F-303	5-2	R17F14320-285	P1 MO/N	MDL 3.2	360 985	8800	N17-F-16320-255
F-304	5-2	R17F14320-285	P1 MO/N	MDL 3.2	360 985	8800	N17-F-16320-255
FL-301	4-21			LA-204A		3330	N17-S-50964-6784
FL-302	3-13			LA-139A		3330	N17-S-50961-2351
H-101		G41W2444	P1 MO/N	050			N41-W-2444-10
H-102		G41W2446	P1 MO/N	564			G41-W-2446
H-103		G41W2449	P1 MO/N	332			N41-W-2449-15
H-104				618B-S-747			N41-W-2450-75
H-105	11-31			618B-S-740		7910	
H-106 (unassigned)							
H-107 (unassigned)							
H-108 (unassigned)							
H-109 (unassigned)							
H-110	6-11	R16HWP-54MS207	P1 MO/N	54M-S-207			
I-301	5-5	G17L6297	P1 MO/N	47	444 163	8800	N17-L-6297
I-302	5-5	G17L6297	P1 MO/N	47	444 163	8800	N17-L-6297
J-101	3-2	R16R2435-1	P1 MO/N	UG-291/U	654 440	8850	N17-C-73108-1262
J-102	3-2	R16R2435-1	P1 MO/N	UG-291/U	654 440	8850	N17-C-73108-1262
J-103	3-2	R16R2435-1	P1 MO/N	UG-291/U	654 440	8850	N17-C-73108-1262
J-104	3-2	R16R2435-1	P1 MO/N	UG-291/U	654 440	8850	N17-C-73108-1262
J-105	6-1	R16HWP-54MS200	P1 MO/N	54M-S-200		8850	

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REFERENCE DESIGNATION	FIGURE INDEX	ASO STOCK NUMBER	SOURCE CODE	PART NUMBER	USAF STOCK NUMBER	CLASS CODE	SNSN
K-301	16-8	R17R5907-42	P1 MO/N	B 2040 (B 2140) 115N030T	079 000 320	3380	N17-R-72971-2801
L-101	14-18	R16HWP-618BS704	P1 MO/N	618B-S-704	060 704 330	3340	N16-C-75663-5501
L-301	16-6	R16R1950	P1 MO/N	16904	062 451 970	3340	
L-302	16-7	R16R1949	P1 MO/N	16905	062 451 960	3340	
L-303	16-6	R16R1950	P1 MO/N	16904	062 451 970	3340	
M-301	5-22	R16HWP-5ML224	P1 MO/S	50M-L-224		0801	N17-M-22754-2001
N-101	5-15	R16HWP-618BS3034-2	P1 MO/N	618B-S-3034-2		3320	*N16-D-46343-6732
N-102	5-14	R16HWP-618BS3034-1	P1 MO/N	618B-S-3034-1		3320	*N16-D-46343-6722
N-103	5-16	R16HWP-618BS3034-3	P1 MO/N	618B-S-3034-3		3320	*N16-D-46343-6711
N-104	5-2			618B-S-3033		3320	*N16-P-402001-111
N-105	5-20	R16HWP-618BS3031	P1 MO/N	618B-S-3031		3320	N16-S-117101-804
N-106	5-31	R16HWP-618BS3029	P1 MO/N	618B-S-3029		3320	N16-S-117101-802
N-107	5-23	R16HWP-618BM3038	P1 MO/S	618B-M-3038 618B-S-3133		3320	*
O-101	4-23		A1	618B-L-113			
O-101A	9-6	R16HWP-618BS35FS	P MO/N	618B-S-342-S		7CHQ	*N17-S-46759-6851
O-101B	9-36 to 9-42			618B-S-741		7CHQ	*N16-G-433130-408
O-101C	8-4	R16HWP-50MS149	P1 MO/N	50M-S-149		7CHQ	*N17-S-46720-8451
O-101D	9-33	R16HWP-618BS348	P1 O/N	618B-S-348		7CHQ	*N16-G-433130-399
O-101E	8-4	R16HWP-50MS149	P1 MO/N	50M-S-149		7CHQ	*N17-S-46720-8451
O-101F	9-14	R16HWP-50MS249	P1 O/N	50M-S-249 618B-S-3106		7CHQ	*N16-G-431616-181
O-101G	9-50	R16HWP-50MS245	P1 O/N	50M-S-245 618B-S-3105		7CHQ	*N16-G-431530-408
O-101H	9-29	R16HWP-618BS349	P1 O/N	618B-S-349		7CHQ	*N16-G-433130-405
O-101I	8-4	R16HWP-50MS149	P1 MO/N	50M-S-149		7CHQ	*N17-S-46720-8451
O-101J	8-4	R16HWP-50MS149	P1 MO/N	50M-S-149		7CHQ	*N17-S-46720-8451
O-101K	9-25	R16HWP-618BS347	P1 O/N	618B-S-347		7CHQ	*N16-G-433130-395
O-101L	9-55	R16HWP-50MS250	P1 O/N	50M-S-250 618B-S-3111		7CHQ	*N16-G-431210-343
O-101M	9-17	R16HWP-50MS248	P1 O/N	50M-S-248 618B-S-3110		7CHQ	*N16-G-431616-400
O-101N	9-49	R16HWP-50MS247	P1 O/N	50M-S-247 618B-S-3109		7CHQ	*N16-G-431530-383
O-101O	9-54	R16HWP-50MS251	P1 O/N	50M-S-251 618B-S-3112			*N16-G-431210-346

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REFERENCE DESIGNATION	FIGURE INDEX	ASO STOCK NUMBER	SOURCE CODE	PART NUMBER	USAF STOCK NUMBER	CLASS CODE	SNSN
O-101P	9-13	R16HWP-618B35PL	P1 O/N	618B-S-351-3-5/8		7CHQ	*N16-G-423948-506
O-101Q	9-12	R16HQP-618B35PS	P1 O/N	618B-S-351-2-5/16		7CHQ	*N16-G-423808-506
O-101R	9-43		M1	618B-S-343		7CHQ	*N16-H-900081-251
O-101S	9-31		M1	618B-S-339		7CHQ	*N16-S-21226-1260
O-101T	9-45		M1	618B-S-345		7CHQ	*N16-S-21013-2662
O-101U (unassigned)							
O-101V	9-52		M1	618B-S-346		7CHQ	*N16-S-20985-2671
O-101W	9-57		M1	56M-M-102-7		7CHQ	*N16-S-20985-2661
O-101X	9-57		M1	56M-M-102-7		7CHQ	*N16-S-20985-2661
O-101Y	9-10		M1	618B-S-337		7CHQ	*N17-H-76741-1018
O-101Z	9-10		M1	618B-S-337		7CHQ	*N17-H-76741-1018
O-101AA	9-32	R77B115-00409-1000	P1 O/N	S1KD7	300 190	3400	G77-B-115-00409-1000
O-101AB	9-5	R77B115-00309-0000	P1 O/N	33K5		3400	G77-B-115-00309-0000
O-101AC	9-5	R77B115-00309-0000	P1 O/N	33K5		3400	G77-B-115-00309-0000
O-101AD	9-19	R77B115-00619-2004	P1 O/N	S3KDD	300 088	3400	G77-B-115-00619-2000
O-101AE	9-20		M1	618B-S-338		7CHQ	*N16-B-800340-993
O-101AF	8-6		M1	5M-S-397 54M-S-304		7CHQ	*N16-C-599931-201
O-101AG	8-6		M1	5M-S-397 54M-S-304		7CHQ	*N16-C-599931-201
O-101AH	8-6		M1	5M-S-397 54M-S-304		7CHQ	*N16-C-599931-201
O-101AI	9-7		P1 MO/N	618B-S-342-L		7CHQ	*N17-S-46761-6651
O-101AJ	4-27		M1	54M-S-107		7CHQ	*N17-W-186601-101
O-101AK	4-27		M1	5M-S-465		7CHQ	*N17-W-186601-101
O-101AL	9-4			618B-S-336			*
O-102	4-4		A1	618B-E-112			
O-102A	8-15 8-15A	R16HWP-618BS364	P1 O/N	618B-S-364 618B-S-3129		7CHQ	*N16-G-431530-384
O-102B	8-8			618B-S-3092		7CHQ	N16-G-433130-556
O-102C	8-9	R16HWP-618BS370	P1 O/N	618B-S-370		7CHQ	*N16-G-435001-524
O-102D	8-6		M1	5M-S-397		7CHQ	*N16-C-599931-201
O-102E	8-14		M1	56M-M-102-13		7CHQ	*N16-S-20895-3921
O-102F	8-4	R16HWP-50MS149	P1 MO/N	50M-S-149		7CHQ	*N17-S-46720-8451

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O-102G	8-4	R16H WP-50MS149	P1 MO/N	50M-S-149		7CHQ	*N17-S-46720-8451
O-102H	8-11			618B-S-3091		7CHQ	*N16-G-43350-499
O-102I	8-12	R16H WP-618BS366	P1 O/N	618B-S-366		7CHQ	*N16-G-433450-471
O-102J	8-6		M1	5M-S-397		7CHQ	*N16-C-599931-201
O-102K	8-24		M1	56M-M-102-21			*N16-S-20965-7639
O-102L	8-4	R16H WP-50MS149	P1 MO/N	50M-S-149		7CHQ	*N17-S-46720-8451
O-102M	8-4	R16H WP-50MS149	P1 MO/N	50M-S-149		7CHQ	*N17-S-46720-8451
O-102N	8-59		M1	618B-S-361			*N16-S-685461-115
O-102O	8-60	R16H WP-618BS360	P1 MO/N	618B-S-360		7CHQ	*N17-S-46701-6651
O-102P	8-25	R16H WP-618BS362	P MO/M	618B-S-362			*N17-S-46761-7446
O-102Q	8-25	R16H WP-618BS362	P MO/M	618B-S-362			*N17-S-46761-7446
O-102R			X1	618B-S-354-RH			*N16-N-89043-1010
O-102S	8-68		M1	618B-S-356			*N16-C-600001-409
O-102T			X1	618B-S-354-LH			*N16-N-89043-1009
O-102U	8-68		M1	618B-S-356			*N16-C-600001-409
O-102V	8-69		M1	618B-S-363			*N16-R-500371-277
O-102W			X1	618B-S-353			*N16-S-21039-9977
O-102X	8-71	R77B115-00402-0000	P1 O/N	S1K	300 006	3400	
O-102Y	8-71	R77B115-00402-0000	P1 O/N	S1K	300 006	3400	
O-102Z	8-69		M1	618B-S-363			*N16-R-500371-277
O-102AA	8-46		X1	618B-S-395			
O-102AB	8-43			618B-L-383		7CHQ	
O-102AC	8-44		X1	618B-M-392		7CHQ	
O-102AD	8-73	R16H WP-618BS3007	P1 MO/N	618B-S-3007		7CHQ	
O-102AE	8-38		X1	618B-L-372			
O-102AF	8-45	R16H WP-618BS724	P1 MO/N	618B-S-724		7CHQ	
O-102AG	8-37			618B-S-3086		7CHQ	*N17-F-44265-7334
O-102AH	8-21			618B-S-3088			
				54M-S-140			
O-102AI	8-33		M1	50M-S-275		7CHQ	*
O-102AJ (unassigned)							
O-102AK	8-33		M1	50M-S-275		7CHQ	*
O-102AL	8-37 to 8-47	R16H WP-618BL733	P1 O/S	618B-L-733		7CHQ	
O-102AM	8-85		M1	50M-S-635		7CHQ	*
O-102AN	8-41		M1	618B-S-382		7CHQ	*
O-102AO	8-41		M1	618B-S-382		7CHQ	*
O-102AP				618B-S-3087		7CHQ	N16-C-146781-101
O-102AQ	8-72	R16H WP-618BS732	P1 O/N	618B-S-732		7CHQ	
	8-72A			146-51			
	8-72B			239-35A			
	8-72C			36-98			

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O-103	5-26		M1	616A-S-348			*N16-P-403981-120
O-104	5-24		M1	616A-S-349			*N16-C-599651-143
O-105	5-25		M1	616A-S-347		7CHQ	*N16-S-118401-232
O-106	5-26		M1	616A-S-348			*N16-P-403981-120
O-107	5-24		M1	616A-S-349			*N16-C-599651-143
O-108	5-25		M1	616A-S-347		7CHQ	*N16-S-118401-232
O-109	5-26		M1	616A-S-348			*N16-P-403981-120
O-110	5-24		M1	616A-S-349			*N16-C-599651-143
O-111	5-25		M1	616A-S-347		7CHQ	*N16-S-118401-232
O-112	5-17		M1	54M-S-228			*N16-P-403561-155
O-113	5-18	R16HWP-50MS212	P1 MO/N	50M-S-212			*N16-C-650001-833
O-114	5-19	R16HWP-618BS3032	P1 O/S	618B-S-3032		3320	*N16-H-900065-601
O-115	5-28	R16HWP-618BM3030	P1 MO/N	618B-M-3030			*N16-C-650001-832
O-116	5-29		M1	616A-S-3082		7CHQ	*N16-P-403561-156
O-117	5-30			616A-S-3085		3320	*N16-H-900065-801
	5A-30			54M-S-295			
O-118			M1	616A-S-3086		3320	*N16-P-404641-220
O-119	4-29	R16FSPC-654	P1 O/N	19M-S-766		7CHQ	N16-B-800189-663
				50M-S-290			
O-120	4-29	R16FSPC-654	P1 O/N	19M-S-766		7CHQ	N16-B-800189-663
				50M-S-290			
O-121	4-29	R16FSPC-654	P1 O/N	19M-S-766		7CHQ	N16-B-800189-663
				50M-S-290			
O-122	4-29	R16FSPC-654	P1 O/N	19M-S-766		7CHQ	N16-B-800189-663
				50M-S-290			
O-123	4-29	R16FSPC-654	P1 O/N	19M-S-766		7CHQ	N16-B-800189-663
				50M-S-290		7CHQ	N16-B-800189-663
O-124	4-28	R16HWP-50MS216	P1 MO/S	50M-S-216		7CHQ	*N17-C-98432-4669
O-125	4-28	R16HWP-50MS216	P1 MO/S	50M-S-216		7CHQ	*N17-C-98432-4669
O-126	4-28	R16HWP-50MS216	P1 MO/S	50M-S-216		7CHQ	*N17-C-98432-4669
O-127	4-28	R16HWP-50MS216	P1 MO/S	50M-S-216		7CHQ	*N17-C-98432-4669
O-128	4-28	R16HWP-50MS216	P1 MO/S	50M-S-216		7CHQ	*N17-C-98432-4669
O-129	4-28	R16HWP-50MS216	P1 MO/S	50M-S-216		7CHQ	*N17-C-98432-4669
O-130	4-28	R16HWP-50MS216	P1 MO/S	50M-S-216		7CHQ	*N17-C-98432-4669
O-131	4-28	R16HWP-50MS216	P1 MO/S	50M-S-216		7CHQ	*N17-C-98432-4669
O-132	4-28	R16HWP-50MS216	P1 MO/S	50M-S-216		7CHQ	*N17-C-98432-4669
O-133	4-28	R16HWP-50MS216	P1 MO/S	50M-S-216		7CHQ	*N17-C-98432-4669
O-134	4-26		M1	56M-M-101-1		7CHQ	*N16-S-20891-5271
O-135	4-26		M1	56M-M-101-1		7CHQ	*N16-S-20891-5271
O-136	4-26		M1	56M-M-101-1		7CHQ	*N16-S-20891-5271
O-137	4-26		M1	56M-M-101-1		7CHQ	*N16-S-20891-5271
O-138	4-26		M1	56M-M-101-1		7CHQ	*N16-S-20891-5271
O-139	3-7		M1	618B-S-727			*N16-S-20985-2666
				56M-M-108-1			

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O-140	3-7		M1	618B-S-727			*N16-S-20985-2666
				56M-M-108-1			
O-141	3-7		M1	618B-S-727			*N16-S-20985-2666
				56M-M-108-1			
O-142	3-7		M1	618B-S-727			*N16-S-20985-2666
O-143	3-10		M1	618B-S-728-1			*N16-S-20881-7166
O-143A	3-8		M1	618B-S-728-2			*N16-S-20913-4331
O-143B	3-9	R16HWP-618BS715	P1 MO/N	618B-S-715		7CHQ	N17-C-98378-4114
O-144	5-32		M1	618B-S-3018			*N16-H-150001-348
O-145	5-32		M1	618B-S-3018			*N16-H-150001-348
O-146	5-32		M1	616A-S-355			*N16-C-600001-406
O-147	5-32		M1	616A-S-355			*N16-C-600001-406
O-148	5-32		M1	616A-S-355			*N16-C-600001-406
O-149	5-32		M1	616A-S-355			*N16-C-600001-406
O-150	4-27		M1	5M-S-465		7CHQ	*N17-W-186601-101
O-151	4-27		M1	5M-S-465		7CHQ	*N17-W-186601-101
O-152	4-27		M1	5M-S-465		7CHQ	*N17-W-186601-101
O-153	4-27		M1	5M-S-465		7CHQ	*N17-W-186601-101
O-154	4-27		M1	5M-S-465		7CHQ	*N17-W-186601-101
O-155	4-19	R16HWP-618BS3019	P1 MO/N	618B-S-3019		7CHQ	N17-S-46762-3241
O-156	4-16	R16HWP-618BS3016	P1 MO/S	618B-S-3016		7CHQ	N16-N-87901-1042
O-157	4-18	R16HWP-618BS3015	P1 MO/S	618B-S-3015		3370	N17-C-79440-9491
O-158	4-15	R16HWP-618BS3017	P1 MO/S	618B-S-3017		3400	N16-R-503580-286
O-159	4-14	R16HWP-618BL116	P1 MO/S	618B-L-116		7CHQ	
O-159A	4-12	R16HWP-618BS3053	P1 MO/S	618B-S-3053			*N16-C-650001-816
O-159B	4-9	R16HWP-54MS103	P MO/N	54M-S-103			N16-N-88051-4376
O-160	3-6	R16C4683-300	P1 MO/N	CW-123/U	085 095	8850	N17-C-200964-601
O-161	3-6	R16C4683-300	P1 MO/N	CW-123/U	085 095	8850	N17-C-200964-601
O-162	3-6	R16C4683-300	P1 MO/N	CW-123/U	085 095	8850	N17-C-200964-601
O-163	3-6	R16C4683-300	P1 MO/N	CW-123/U	085 095	8850	N17-C-200964-601
O-164	7-7		M	618B-S-3012			N16-B-750001-914
O-165	7-7		M	618B-S-3012			N16-B-750001-914
O-166	7-7		M	618B-S-3012			N16-B-750001-914
O-167	7-7		M	618B-S-3012			N16-B-750001-914
O-168	11-18	R16JAN-TS103U02	P1 MO/N	TS103U02	774 000-2185	3370	N16-S-34576-6514
O-169	11-19	R16JAN-TS103U03	P1 MO/N	TS103U03		3370	N16-S-34621-5205
O-170	11-18	R16JAN-TS103U02	P1 MO/N	TS103U02	774 000-2185	3370	N16-S-34576-6514
O-171	11-18	R16JAN-TS103U02	P1 MO/N	TS103U02	774 000-2185	3370	N16-S-34576-6514
O-172	11-18	R16JAN-TS103U02	P1 MO/N	TS103U02	774 000-2185	3370	N16-S-34576-6514
O-173	11-18	R16JAN-TS103U02	P1 MO/N	TS103U02	774 000-2185	3370	N16-S-34576-6514
O-174	11-18	R16JAN-TS103U02	P1 MO/N	TS103U02	774 000-2185	3370	N16-S-34576-6514
O-175	11-18	R16JAN-TS103U02	P1 MO/N	TS103U02	774 000-2185	3370	N16-S-34576-6514
O-176	11-18	R16JAN-TS103U02	P1 MO/N	TS103U02	774 000-2185	3370	N16-S-34565-6514
O-177	11-18	R16JAN-TS103U02	P1 MO/N	TS103U02	774 000-2185	3370	N16-S-34565-6514

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REFERENCE DESIGNATION	FIGURE INDEX	ASO STOCK NUMBER	SOURCE CODE	PART NUMBER	USAF STOCK NUMBER	CLASS CODE	SNSN
O-178	11-17	R16JAN-TS102U02	P1 MO/N	TS102U02	774 000-1955	3370	N16-S-34558-8351
O-179	11-16	R16JAN-TS102U01	P1 MO/N	TS102U01	774 000-1925	3370	N16-S-34520-3864
O-180	11-16	R16JAN-TS102U01	P1 MO/N	TS102U01	774 000-1925	3370	N16-S-34520-3864
O-181	11-16	R16JAN-TS102U01	P1 MO/N	TS102U01	774 000-1925	3370	N16-S-34520-3864
O-182	14-19		M1	54M-S-250			N16-B-750001-916
O-183	14-19		M1	54M-S-250			N16-B-750001-916
O-184	14-19		M1	54M-S-250			N16-B-750001-916
O-185	14-19		M1	54M-S-250			N16-B-750001-916
O-186	14-19		M1	54M-S-250			N16-B-750001-916
O-187	14-19		M1	54M-S-250			N16-B-750001-916
O-188	14-19		M1	54M-S-250			N16-B-750001-916
O-189	14-19		M1	54M-S-250			N16-B-750001-916
O-190	16-18	RC16C19582	P1 MO/N	926C		3370	N16-C-300798-866
	16-18A			140-13			
O-191	11-17	R16JAN-TS102U02	P1 MO/N	TS102U02	774 000-1955	3370	N16-S-34557-8351
O-192	16-18	R16C19582	P1 MO/N	926C		3370	N16-C-300798-866
	16-18A			140-13			
O-193	16-10	R16JAN-TS102U03	P1 MO/N	TS102U03	774 000-1975	3370	N16-S-34607-6039
O-194	16-18	R16C19582	P1 MO/N	926C		3370	N16-C-300798-866
O-195	11-17	R16JAN-TS102U02	P1 MO/N	TS102U02	774 000-1955	3370	N16-S-34557-8351
O-196	16-18	R16C19582	P1 MO/N	926C		3370	N16-C-300798-866
O-197	16-18	R16C19582	P1 MO/N	926C		3370	N16-C-300798-866
O-198	11-17	R16JAN-TS102U02	P1 MO/N	TS102U02	774 000-1955	3370	N16-S-34557-8351
O-199	16-10	R16JAN-TS102U03	P1 MO/N	TS102U03	774 000-1975	3370	N16-S-34607-6039
O-200	16-10	R16JAN-TS102U03	P1 MO/N	TS102U03	774 000-1975	3370	N16-S-34607-6039
O-201	16-16	R16C19578	P1 MO/N	926A	287 172 860	3300	N16-C-300798-452
O-202	16-10	R16JAN-TS102U03	P1 MO/N	TS102U03	774 000-1975	3370	N16-S-34607-6039
O-203	16-17	R16C19628	P1 MO/N	926B	291 697 089	3300	N16-C-300798-621
O-204	14-19		M1	54M-S-250			N16-B-750001-916
O-205	14-19		M1	54M-S-250			N16-B-750001-916
O-206	14-19		M1	54M-S-250			N16-B-750001-916
O-207	14-19		M1	54M-S-250			N16-B-750001-916
O-208	14-19		M1	54M-S-250			N16-B-750001-916
O-209	2-1 to 2-8	R16HWP-618BE119	P1 MO/R	618B-E-119		7CHQ	
O-210	2-1 to 2-8	R16HWP-618BE119	P1 MO/R	618B-E-119		7CHQ	
O-211	10-9		M	50M-S-274			*N17-I-77201-8163
O-212	2-6	R16HWP-5MS533	P1 MO/N	5M-S-533		7CHQ	*
O-213	2-2	R16HWP-5ME519	P1 MO/N	5M-E-519		7CHQ	N17-G-159287-537
O-214	10-10		M	50M-S-273			*N17-I-77201-8169
O-215	16-20			5M-S-863		7CHQ	N17-M-78605-7403
O-216	16-20			5M-S-862		7CHQ	N17-P-400581-101
O-217				618B-M-3082		7CHQ	N16-L-77441-1043

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REFERENCE DESIGNATION	FIGURE INDEX	ASO STOCK NUMBER	SOURCE CODE	PART NUMBER	USAF STOCK NUMBER	CLASS CODE	SNSN
O-218				50M-S-281		7CHQ	*
O-219	17-18	R16H WP-618BS312	P1 O/S	618B-S-312			
O-220	17-18	R16H WP-618BS312	P1 O/S	618B-S-312			
O-221	17-19	R16H WP-618BS313	P1 O/S	618B-S-313			
O-222	18-19	R16H WP-618BS313	P1 O/S	618B-S-313			
O-223	17-17			C-7998-1420-3			
O-224	17-17			C-7998-1420-3			
O-225	17-17			C-7998-1420-3			
O-226	17-17			C-7998-1420-3			
O-227	2-7	R16H WP-5ML849	P1 MO/N	5M-L-849			
O-228	2-7	R16H WP-5ML849	P1 MO/N	5M-L-849			
O-229	2-7	R16H WP-5ML849	P1 MO/N	5M-L-849			
O-230	2-7	R16H WP-5ML849	P1 MO/N	5M-L-849			
O-231	2-1	R16H WP-5ML848	P1 MO/N	5M-L-848			
O-232	2-1	R16H WP-5ML848	P1 MO/N	5M-L-848			
O-233	2-1	R16H WP-5ML848	P1 MO/N	5M-L-848			
O-234	2-1	R16H WP-5ML848	P1 MO/N	5M-L-848			
O-235	11-32			618B-S-3081			
O-236	2-10			618B-E-117			
O-237	2-9	R16H WP-618BS332	P1 MO/N	618B-S-332			
O-238	2-9	R16H WP-618BS332	P1 MO/N	618B-S-332			
O-239	2-9	R16H WP-618BS332	P1 MO/N	618B-S-332			
O-240	2-9	R16H WP-618BS332	P1 MO/N	618B-S-332			
O-241	11-37			1023-04-3/4"		3320	
O-242	8-79			618B-S-3046		7CHQ	
O-243	8-86			Type A			
O-244	8-87			608D-S-367			
O-245	8-15			618B-S-3129			
O-246	8-61			54M-M-447-9			
O-247	4-30			618B-S-3130			
O-248 (unassigned)							
O-249 (unassigned)							
O-250	19-23			54M-S-112			
P-301	5-1	R17R 2029-20	P1 MO/N	4891 AN3102A-10SL-3P	494 340	8850	N17-C-73448-7320

REFERENCE DESIGNATION	FIGURE INDEX	ASO STOCK NUMBER	SOURCE CODE	PART NUMBER	USAF STOCK NUMBER	CLASS CODE	SNSN
R-101	13-9			RC30BF125K	131 000-8294	3350	N16-R-50994-0231
R-102	13-17			RC30BF225K			
R-103	12-9	R16JAN-RC30BF473K	P1 MO/N	RC30BF473K			N16-R-50481-0231
R-104	13-9			RC30BF125K	131 000-8294	3350	N16-R-50994-0231
R-105	12-9	R16JAN-RC30BF473K	P1 MO/N	RC30BF473K			N16-R-50481-0231
R-106	7-2			RC30BF104K	381 316 220	3300	N16-R-50634-0231
R-107	15-12	R16R17318-246	P1 MO/N	RC42BF273K			N16-R-50400-556
R-108	7-2			RC30BF104K	381 316 220	3300	N16-R-50634-0231
R-109	7-2			RC30BF104K	381 316 220	3300	N16-R-50634-0231
R-110	7-2			RC30BF104K	381 316 220	3300	N16-R-50634-0231
R-111	11-9	R16P5597-37-80	P1 MO/N	JJJU 1051, P 3056	801 300-9151	3350	N16-R-89405-6571
R-112	11-10	R16P5593-38-100	P1 MO/N	JLU 2541, SD4040L	399 811 535	3300	N16-R-88079-4360
R-113	11-10	R16P5593-38-100	P1 MO/N	JLU 2541, SD4040L	399 811 535	3300	N16-R-88079-4360
R-114	11-9	R16P5597-37-80	P1 MO/N	JJJU 1051, P 3056	801 300-9151	3350	N16-R-89405-6571
R-115	14-11	R16JAN-RC30BF105K	P1 MO/N	RC30BF105K			N16-R-50976-0231
R-116	15-14	R16JAN-RC30BF681K	P1 MO/N	RC30BF681K			N16-R-49842-236
R-117	11-11	R16P5582-50-500	P1 MO/N	JLU 1521, SD4040L	793 000-1821	3350	N16-R-87379-4310
R-118	15-15	R16R17310-97-500	P1 MO/N	RC42BF183K			N16-R-50355-481
R-119	12-4	R16R17310-21	P1 MO/N	RC42BF103K			N16-R-50283-556
R-120	12-3	R16JAN-RC30BF392K	P1 MO/N	RC30BF293K			N16-R-50094-0231
R-121	13-11	R16JAN-RC30BF272K	P1 MO/N	RC30BF272K			N16-R-50040-0231
R-122	15-12	R16R17318-246	P1 MO/N	RC42BF273K			N16-R-50400-556
R-123	12-9	R16JAN-RC30BF473K	P1 MO/N	RC30BF473K			N16-R-50481-0231
R-124	15-17	R16JAN-RC30BF122K	P1 MO/N	RC30BF122K			N16-R-49941-0231
R-125	12-8	R16JAN-RC30BF474K	P1 MO/N	RC30BF474K			

REFERENCE DESIGNATION	FIGURE INDEX	ASO STOCK NUMBER	SOURCE CODE	PART NUMBER	USAF STOCK NUMBER	CLASS CODE	SNSN
R-126	13-13	R16JAN-RC30BF103K	P1 MO/N	RC30BF103K			N16-R-50283-0231
R-127	13-13	R16JAN-RC30BF103K	P1 MO/N	RC30BF103K			N16-R-50283-0231
R-128	13-9			RC30BF125K	131 000-8294	3350	N16-R-50994-0231
R-129	13-13	R16JAN-RC30BF103K	P1 MO/N	RC30BF103K			N16-R-50283-0231
R-130	15-17	R16JAN-RC30BF122K	P1 MO/N	RC30BF122K			N16-R-49941-0231
R-131	12-5	R16JAN-RC30BF274K	P1 MO/N	RC30BF274K			N16-R-50742-0231
R-132	13-9			RC30BF125K	131 000-8294	3350	N16-R-50994-0231
R-133	11-11	R16P5582-50-500	P1 MO/N	JLU 1521, SD 4040L	793 000-1821	3350	N16-R-87379-4310
R-134	12-3	R16JAN-RC30BF392K	P1 MO/N	RC30BF392K			N16-R-50094-0231
R-135	13-14	R16R17327-58	P1 MO/N	RC42BF333K	165 000-6221	3350	N16-R-50418-556
R-136	5-9	R16P5595-190-800	P1 MO/N	JA 1052, P 3056	394-390 008	3300	N16-R-88339-4327
R-137	13-15	R16JAN-RC30BF271K	P1 MO/N	RC30BF271K			N16-R-49689-0231
R-138	12-4	R16R17310-21	P1 MO/N	RC42BF103K			N16-R-50283-556
R-139	12-4	R16R17310-21	P1 MO/N	RC42BF103K			N16-R-50283-556
R-140	12-4	R16R17310-21	P1 MO/N	RC42BF103K			N16-R-50283-556
R-141	7-2			RC30BF104K	381 316 220	3300	N16-R-50634-0231
R-142	14-6	R16JAN-RC30BF154K	P1 MO/N	RC30BF154K			N16-R-50679-0231
R-143	13-9			RC30BF125K	131 000-8294	3350	N16-R-50994-0231
R-144	14-5	R16JAN-RC30BF102K	P1 MO/N	RC30BF102K			N16-R-49923-0231
R-145	12-4	R16R17310-21	P1 MO/N	RC42BF103K			N16-R-50283-556
R-146	15-21			RC30BF124K			
R-147	11-9	R16P5597-37-80	P1 MO/N	JLU 1051, P 3056	801 300-9151	3350	N16-R-89405-6571
R-148	14-6	R16JAN-RC30BF154K	P1 MO/N	RC30BF154K			N16-R-50679-0231
R-149	12-5	R16JAN-RC30BF274K	P1 MO/N	RC30BF274K			N16-R-50742-0231
R-150	12-6	R16JAN-RC30BF564K	P1 MO/N	RC30BF564K			N16-R-50859-0231
R-151	12-7	R16JAN-RC30BF222K	P1 MO/N	RC30BF222K			N16-R-50013-0231
R-152	12-7	R16JAN-RC30BF222K	P1 MO/N	RC30BF222K			N16-R-50013-0231
R-153	12-8	R16JAN-RC30BF474K	P1 MO/N	RC30BF474K			
R-154	12-8	R16JAN-RC30BF474K	P1 MO/N	RC30BF474K			
R-155	12-9	R16JAN-RC30BF473K	P1 MO/N	RC30BF473K			N16-R-50481-0231
R-156	11-11	R16P5582-50-500	P1 MO/N	JLU 1521, SD4040L	793 000-1821	3350	N16-R-87379-4310
R-157	12-7	R16JAN-RC30BF222K	P1 MO/N	RC30BF222K			N16-R-50013-0231
R-158	11-13			JA2031, P3056		3350	
R-159	11-11	R16P5582-50-500	P1 MO/N	JLU 1521, SD4040L	793 000-1821	3350	N16-R-87379-4310
R-160	13-14	R16R17327-58	P1 MO/N	RC42BF333K	165 000-6221	3350	N16-R-50418-556
R-161	13-14	R16R17327-58	P1 MO/N	RC42BF333K	165 000-6221	3350	N16-R-50418-556
R-162	14-11	R16JAN-RC30BF105K	P1 MO/N	RC30BF105K			N16-R-50976-0231
R-163	14-11	R16JAN-RC30BF105K	P1 MO/N	RC30BF105K			N16-R-50976-0231
R-164	14-12	R16JAN-RC30BF472K	P1 MO/N				
R-165	14-13	R16R17276-3-5	P1 MO/N	RC42BF272K			N16-R-50040-491
R-166	14-13	R16R17276-3-5	P1 MO/N	RC42BF272K			N16-R-50040-491
R-167 (unassigned)							
R-168	5-9	R16P5595-190-800	P1 MO/N	JA 1052, P 3056	394 390 008	3300	N16-R-88339-4327
R-169	7-2			RC30BF104K	381 316 220	3300	N16-R-50634-0231
R-170	7-3	R16P5588-1	P1 MO/N	JLU 5031, SD4040L	294 459 576	3300	N16-R-87849-4590
R-171	7-4	R16R17293-59-18	P1 MO/N	RC42BF682K		3300	N16-R-50202-556

REFERENCE DESIGNATION	FIGURE INDEX	ASO STOCK NUMBER	SOURCE CODE	PART NUMBER	USAF STOCK NUMBER	CLASS CODE	SNSN
R-172	7-4	R16R17293-59-18	P1 MO/N	RC42BF682K		3300	N16-R-50202-556
R-173	7-3	R16P5588-1	P1 MO/N	JLU 5031, SD4040L	294 459 576	3300	N16-R-87849-4590
R-174	8-17	R16HWP-50MS242	P1 MO/S	50M-S-242	879 500-7611	3350	N16-R-91831-9260
R-175	7-3	R16P5588-1	P1 MO/N	JLU 5031, SD4040L	294 459 576	3300	N16-R-87849-4590
R-176	7-5	R16R17281-186	P1 MO/N	RC42BF472K		3300	N16-R-50130-549
R-177	7-5	R16R17281-186	P1 MO/N	RC42BF472K		3300	N16-R-50130-549
R-178	7-3	R16P5588-1	P1 MO/N	JLU 5031, SD4040L	294 459 576	3300	N16-R-87849-4590
R-179	10-3	R16R18635-100	P1 MO/N	RB40B130ROD	380 413 000	3300	N16-R-78000-4431
R-180	10-3	R16R18635-100	P1 MO/N	RB40B130ROD	380 413 000	3300	N16-R-78000-4431
R-181	10-1	R16JAN-RC30BF471K	P1 MO/N	RC30BF471K		3300	N16-R-49770-0231
R-182	10-1	R16JAN-RC30BF471K	P1 MO/N	RC30BF471K		3300	N16-R-49770-0231
R-183	10-2			RC30BF121K		3300	N16-R-49599-0231
R-184	10-3	R16R18635-100	P1 MO/N	RB40B130ROD	380 413 000	3300	N16-R-78000-4431
R-185	5-10			JU 1021, P 3056	394 352 416	3300	N16-R-87349-4425
R-186	12-9	R16JAN-RC30BF473K	P1 MO/N	RC30BF473K			N16-R-50481-0231
R-187	12-9	R16JAN-RC30BF473K	P1 MO/N	RC30BF473K			N16-R-50481-0231
R-188	7-2			RC30BF104K	381 316 220	3300	N16-R-50634-0231
R-189	12-8	R16JAN-RC30BF474K	P1 MO/N	RC30BF474K			
R-190	14-6	R16JAN-RC30BF154K	P1 MO/N	RC30BF154K			N16-R-50679-0231
R-191	14-15			RC30BF184K			N16-R-50697-0231
R-192	12-9	R16JAN-RC30BF473K	P1 MO/N	RC30BF473K			N16-R-50481-0231
R-193	14-12	R16JAN-RC30BF472K	P1 MO/N	RC30BF472K			
R-194	12-9	R16JAN-RC30BF473K	P1 MO/N	RC30BF473K			N16-R-50481-0231
R-195	12-10	R16JAN-RC30BF682K	P1 MO/N	RC30BF682K			N16-R-50202-0231
R-196	13-14	R16R17327-58	P1 MO/N	RC42BF333K	165 000-6221	3350	N16-R-50418-556
R-197	13-9			RC30BF125K	131 000-8294	3350	N16-R-50994-0231
R-198	13-13	R16JAN-RC30BF103K	P1 MO/N	RC30BF103K			N16-R-50283-0231
R-199	15-17	R16JAN-RC30BF122K	P1 MO/N	RC30BF122K			N16-R-49941-0231
R-200	10-11	R16T2265	P1 MO/N	27D2	394 186 075	3300	N16-R-85039-3251
R-201	10-4	R16T2270	P1 MO/N	D168391	394 186 080	3300	
R-202			X1	170575			
R-203	4-1	R16HWP-618BM114	P1 MO/N	618B-M-114		7CHQ	N16-A-98986-1141
R-204	11-36			RC20BF101K			
R-206	14-21			RC42GF393K			
R-301	17-1	R16JAN-RW21G801	P1 MO/N	RW21G801	385 285 000	3300	N16-R-65975-3731
R-302	17-1	R16JAN-RW21G801	P1 MO/N	RW21G801	385 285 000	3300	N16-R-65975-3731
R-303	19-5	R16R17349-25	P1 MO/N	RC42BF154K		3300	N16-R-50679-515
R-304	19-6			RC42BF104K			N16-R-50634-451
R-305	19-6			RC42BF104K			N16-R-50634-451
R-306	19-8	R16JAN-RC30BF683J	P1 MO/N	RC30BF683J	381 320 620	3300	N16-R-50551-0751
R-307	17-2	R16P5585-35	P1 MO/N	JLU 2032, SD4040L	793 000-2781	3350	N16-R-87732-5360
R-308	19-8	R16JAN-RC30BF683J	P1 MO/N	RC30BF683J	381 320 620	3300	N16-R-50551-0751
R-309	17-3	R16JAN-RW21J452	P1 MO/N	RW21J452	522 000-5751	3350	
R-310	17-4	R16JAN-RW21J502	P1 MO/N	RW21J502	385 285 440	3300	N16-R-66251-2529
R-311	11-11	R16P5582-50-500	P1 MO/N	JLU 1521, SD4040L	793 000-1821	3350	N16-R-87379-4310
R-312	19-9	R16JAN-RC30BF683K	P1 MO/N	RC30BF683K			N16-R-50553-0231
R-313	19-10	R16JAN-RC30BF224K	P1 MO/N	RC30BF224K			N16-R-50715-0231

REFERENCE DESIGNATION	FIGURE INDEX	ASO STOCK NUMBER	SOURCE CODE	PART NUMBER	USAF STOCK NUMBER	CLASS CODE	SNSN
R-314	19-11	R16JAN-RC30BF335K	P1 MO/N	RC30BF335K			N16-R-51111-0231
R-315	7-2			RC30BF104K	381 316 220	3300	N16-R-50634-0231
R-316	18-1	R16JAN-RC30BF101J	P1 MO/N	RC30BF101J	381 316 020	3300	N16-R-49579-0751
R-317	13-14	R16R17327-58	P1 MO/N	RC42BF333K	165 000-6221	3350	N16-R-50418-556
R-318	13-14	R16R17327-58	P1 MO/N	RC42BF333K	165 000-6221	3350	N16-R-50418-556
R-319	13-14	R16R17327-58	P1 MO/N	RC42BF333K	165 000-6221	3350	N16-R-50418-556
R-320	17-2	R16P5585-35	P1 MO/N	JLU 2032, SD4040L	793 000-2781	3350	N16-R-87732-5360
R-321	13-14	R16R17327-58	P1 MO/N	RC42BF333K	165 000-6221	3350	N16-R-50418-556
R-322	13-14	R16R17327-58	P1 MO/N	RC42BF333K	165 000-6221	3350	N16-R-50418-556
R-323	13-14	R16R17327-58	P1 MO/N	RC42BF333K	165 000-6221	3350	N16-R-50418-556
R-324	13-14	R16R17327-58	P1 MO/N	RC42BF333K	165 000-6221	3350	N16-R-50418-556
R-325	13-14	R16R17327-58	P1 MO/N	RC42BF333K	165 000-6221	3350	N16-R-50418-556
R-326	19-13	R16R17352-5-7	P1 MO/N	RC42BF224K			N16-R-50715-474
R-327	19-13	R16R17352-5-7	P1 MO/N	RC42BF224K			N16-R-50715-474
R-328	19-13	R16R17352-5-7	P1 MO/N	RC42BF224K			N16-R-50715-474
R-329	17-2	R16P5585-35	P1 MO/N	JLU 2032, SD4040L	793 000-2781	3350	N16-R-87732-5360
R-330	19-9	R16JANBF683K	P1 MO/N	RC30BF683K			N16-R-50553-0231
R-331	17-6	R16JAN-RC20BF471K	P1 MO/N	RC20BF471K			N16-R-49769-0811
R-332	19-10	R16JAN-RC30BF224K	P1 MO/N	RC30BF224K			N16-R-50715-0231
R-333	7-2			RC30BF104K	381 316 220	3300	N16-R-50634-0231
R-334	19-14			RC42BF683J	381 604 671	3300	N16-R-50552-126
R-335	17-2	R16P5585-35	P1 MO/N	JLU 2032, SD4040L	793 000-2781	3350	N16-R-87732-5360
R-336	19-15	R16-R17349-7-730	P1 MO/N	RC42BF154J	381 602 005	3300	N16-R-50678-126
R-337	12-5	R16JAN-RC30BF274K	P1 MO/N	RC30BF274K			N16-R-50742-0231
R-338	17-2	R16P5585-35	P1 MO/N	JLU 2032, SD4040L	793 000-2781	3350	N16-R-87732-5360
R-339	14-12	R16JAN-RC30BF472K	P1 MO/N	RC30BF472K			
R-340	19-18	R16R17291-74-11	P1 MO/N	RC42BF562K			N16-R-50166-508
R-341	17-7			RV4LATSA103A			N16-R-87519-4540
R-342	18-3	R16R17279-2-4	P1 MO/N	RC42BF332K			N16-R-50067-501
R-343	18-3	R16R17279-2-4	P1 MO/N	RC42BF332K			N16-R-50067-501
R-344	18-3	R16R17279-2-4	P1 MO/N	RC42BF332K			N16-R-50067-501
R-345	18-3	R16R17279-2-4	P1 MO/N	RC42BF332K			N16-R-50067-501
R-346	18-4	R16R17310-63-500	P1 MO/N	RC42BF153K			N16-R-50337-528
R-347	18-4	R16R17310-63-500	P1 MO/N	RC42BF153K			N16-R-50337-528
R-352	19-24			RV4LATSA103A			
R-354	19-22			RC30GF681K			
RB-109	11-28		M	618B-M-402			
S-101	11-14	R17HWP-618BS409	P1 MO/N	618B-S-409		3360	N17-S-65063-9624
S-102	11-15	R17HWP-618BS410	P1 MO/N	618B-S-410		3360	N17-S-66211-3372
S-103 (unassigned)							
S-301	5-8	R17S28225-243	P1 MO/N	82305B	074 033 150	3360	N17-S-74139-4844
T-301	16-5	R17T7565	P1 MO/N	17645	063 900 810	3340	N17-T-74326-4565
T-320	16-4	R17T7566	P1 MO/N	16903	063 900 820	3340	N17-T-74259-8192

REFERENCE DESIGNATION	FIGURE INDEX	ASO STOCK NUMBER	SOURCE CODE	PART NUMBER	USAF STOCK NUMBER	CLASS CODE	SNSN
TB-101	4-2		M	618B-L-407			*
TB-102	7-6			618B-S-722			N17-B-77934-3532
TB-103	4-24		M	618B-M-408			
TB-104	10-6			618B-S-718			*N17-B-77735-7506
TB-105	4-6	R17B21178-5	P1 MO/N	2-142-3/4W			N17-B-77536-3305
TB-106	4-5	R17B21179-8	P1 MO/N	7-164-3/4W			N17-B-77789-2240
TB-107	11-27		M	618B-M-401			
TB-108	12-11		M	618B-S-716			*N17-B-78222-6448
TB-109 (unassigned)							
TB-110	13-16		M	618B-S-717			*N17-B-78252-8876
TB-111	11-29		M	618B-L-403			
TB-112	14-20			618B-S-720			*N17-B-78232-7189
TB-113	14-20			618B-S-720			*N17-B-78232-7189
TB-114	11-30		M	618B-L-404			
TB-115	15-23			618B-S-721			*
TB-116	15-23			618B-S-721			*
TB-117	17-9		M	618B-M-405			
TB-118	18-5		M	618B-S-719			*N17-B-78232-7189
TB-119	17-10		M	618B-L-406			*
TB-120	19-21		M	618B-M-723-2			N17-B-78326-5684
V-101	11-20	N16T58240-10		12AT7	316 000 1365	3370	N16-T-58240-10
				12AT7WA			
V-102	11-21	N16T75726		5726 (6AL5W)	259 000-5795	3370	N16-T-75726
V-103	11-22	N16T75814		5814	265 000-5815	3370	N16-T-75841
V-104	11-22	N16T75814		5814	265 000-5815	3370	N16-T-75841
V-105	11-22	N16T75814		5814	265 000-5815	3370	N16-T-75841
V-106	11-21	N16T75726		5726 (6AL5W)	259 000-5795	3370	N16-T-75726
V-107	11-22	N16T75814		5814	265 000-5815	3370	N16-T-75841
V-108	11-21	N16T75726		5726 (6AL5W)	259 000-5795	3370	N16-T-75726
V-109	11-22	N16T75814		5814	265 000-5815	3370	N16-T-75841
V-110	11-23	N16T52421-50		2D21	448 000-2295	3370	N16-T-52421
V-111	11-22	N16T75814		5814	265 000-5815	3370	N16-T-75841
V-112	11-20	N16T58240-10		12AT7	316 000 1365	3370	N16-T-58240-10
				12AT7WA			
V-113	11-24	N16T75763		5763	286 000-5765	3370	N16-T-75763
V-114	4-17			6236	274 000-5935	3370	
V-115	11-22	N16T75814		5814	265 000-5815	3370	N16-T-75841
V-301	16-11	N16T55446		5R4WGY	234 355 100	3370	N16-T-55446
				5R4WGB			
V-302	16-12	N16T56203-60		6AU6	234 454 300	3370	N16-T-56203-50

* Not furnished as a maintenance part for Bureau of Ships Personnel.
If failure occurs, do not request replacement unless the item cannot be repaired or fabricated.

REFERENCE DESIGNATION	FIGURE INDEX	ASO STOCK NUMBER	SOURCE CODE	PART NUMBER	USAF STOCK NUMBER	CLASS CODE	SNSN
				6AU6WA			
V-303	16-13	N16T56202		6AS7	234 454 125	3370	N16-T-56202
				6080WA			
V-304	16-14	N16T52001		OA2	234 005 100	3370	N16-T-52001
				OA2WA			
V-305	16-11	N16T55446		5R4WGY	234 355 100	3370	N16-T-55446
				5R4WGB			
V-306	16-12	N16T56203-60		6AU6	234 454 300	3370	N16-T-56203-50
				6AU6WA			
V-307	16-11	N16T55446		5R4WGY	234 355 100	3370	N16-T-55446
				5R4WGB			
V-308	16-13	N16T56202		6AS7	234 454 125	3370	N16-T-56202
				6080WA			
V-309	16-12	N16T56203-60		6AU6	234 454 300	3370	N16-T-56203-50
				6AU6WA			
V-310	16-14	N16T52001		OA2	234 005 100	3370	N16-T-52001
				OA2WA			
V-311	16-14	N16T52001		OA2	234 005 100	3370	N16-T-52001
				OA2WA			
V-312	16-15	N16T53030		OA3	234 005 400	3370	N16-T-53030
V-313	16-14	N16T52001		OA2	234 005 100	3370	N16-T-52001
				OA2WA			
V-314	16-14	N16T52001		OA2	234 005 100	3370	N16-T-52001
				OA2WA			
W-101	2-11			CG-92D/U(6'0")			
W-102	2-13			CX-337/U(6'0")			
				CX-3135/U(6'0")			
W-103				CG-409/U(8'0")			
W-104	2-12			CG-409/U(8'0")			
XF-301	5-3			342003-SA-1		8870	N17-F-74266-9052
XF-301A	5-4			342003-SA-2		8870	N17-C-201334-841
XF-302	5-3			342003-SA-1		8870	N17-F-74266-9052
XF-302A	5-4			342003-SA-2		8870	N17-C-201334-841
XF-303	5-3			342003-SA-1		8870	N17-F-74266-9052
XF-303A	5-4			342003-SA-2		8870	N17-C-201334-841
XF-304	5-3			342003-SA-1		8870	N17-F-74266-9052
XF-304A	5-4			342003-SA-2		8870	N17-C-201334-841
XI-301	5-6	R17DLC-BA8-5344 White	P1 MO/S	BA8-5344, Clear 81410-137	778 564	8850	N17-L-76737-2901
XI-302	5-7	R17DLC-BA8-5344 Red	P1 MO/S	BA8-5344, Red 81410-131			N17-L-76854-4324
XK-301	17-14	R16JAN-TS101C01	P1 MO/N	TS101C01	892 200	8850	
XV-101	11-26	R16JAN-TS103P01	P1 MO/N	TS103P01	896 590	8850	
XV-102	11-25	R16JAN-TS102P01	P1 MO/N	TS102P01	882 880	8850	
XV-103	11-26	R16JAN-TS103P01	P1 MO/N	TS103P01	896 590	8850	

REFERENCE DESIGNATION	FIGURE INDEX	ASO STOCK NUMBER	SOURCE CODE	PART NUMBER	USAF STOCK NUMBER	CLASS CODE	SNSN
XV-104	11-26	R16JAN-TS103P01	P1 MO/N	TS103P01	896 590	8850	
XV-105	11-26	R16JAN-TS103P01	P1 MO/N	TS103P01	896 590	8850	
XV-106	11-25	R16JAN-TS102P01	P1 MO/N	TS102P01	882 880	8850	
XV-107	11-26	R16JAN-TS103P01	P1 MO/N	TS103P01	896 590	8850	
XV-108	11-25	R16JAN-TS102P01	P1 MO/N	TS102P01	882 880	8850	
XV-109	11-26	R16JAN-TS103P01	P1 MO/N	TS103P01	896 590	8850	
XV-110	11-25	R16JAN-TS102P01	P1 MO/N	TS102P01	882 880	8850	
XV-111	11-26	R16JAN-TS103P01	P1 MO/N	TS103P01	896 590	8850	
XV-112	11-26	R16JAN-TS103P01	P1 MO N	TS103P01	896 590	8850	
XV-113	11-26	R16JAN-TS103P01	P1 MO/N	TS103P01	896 590	8850	N17-C-73408-6810
XV-114	4-13	R16S6148-20	P1 MO/N	78-S4S	874-946	8850	
XV-115	11-26	R16JAN-TS103P01	P1 MO/N	TS103P01	896 590	8850	
XV-301	17-14	R16JAN-TS101C01	P1 MO/N	TS101C01	892 200	8850	
XV-302	11-25	R16JAN-TS102P01	P1 MO/N	TS102P01	882 880	8850	
XV-303	17-14	R16JAN-TS101C01	P1 MO/N	TS101C01	892 200	8850	
XV-304	11-25	R16JAN-TS102P01	P1 MO/N	TS102P01	882 830	8850	
XV-305	17-14	R16JAN-TS101C01	P1 MO/N	TS101C01	892 200	8850	
XV-306	11-25	R16JAN-TS102P01	P1 MO/N	TS102P01	882 880	8850	
XV-307	17-14	R16JAN-TS101C01	P1 MO/N	TS101C01	892 200	8850	
XV-308	17-14	R16JAN-TS101C01	P1 MO/N	TS101C01	892 200	8850	
XV-309	11-25	R16JAN-TS102P01	P1 MO/N	TS102P01	882 880	8850	
XV-310	11-25	R16JAN-TS102P01	P1 MO/N	TS102P01	882 880	8850	
XV-311	11-25	R16JAN-TS102P01	P1 MO/N	TS102P01	882 880	8850	
XV-312	17-14	R16JAN-TS101C01	P1 MO/N	TS101C01	892 200	8850	
XV-313	11-25	R16JAN-TS102P01	P1 MO/N	TS102P01	882 880	8850	
XV-314	11-25	R16JAN-TS102P01	P1 MO/N	TS102P01	882 880	8850	

By Order of *Wilber M. Brucker,* Secretary of the Army:

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For explanation of abbreviations used, see AR 320-50.

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